

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 140000292
Issue date: 10/08/2023 Revision date: 20/06/2024 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : HAGERTY Silver Spray
Type of product : Detergent
Vaporizer : Aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Cutlery cleaner, silver cleaner

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Aerotrim N.V.
Industrielaan 24
3900 Pelt
Belgium
T +32 11 64 23 84, F +32 11 66 11 58
info@aerotrim.be, <http://www.aerotrim.be/>

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|--|--|--|--|
| Belgium | Centre Anti-Poisons/Antigifcentrum c/o Hôpital Militaire Reine Astrid | Rue Bruyn 1 1120 Brussels | +32 70 245 245 | Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee) |
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| Sweden | Giftinformationscentralen | Solna Strandväg 21 171 54 Solna | 112 – begär Giftinformation | |
| United Kingdom | NHS 111/NHS 24/NHS Direct | | 111 0845 4647 | or call a doctor |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity – Single exposure, Category 3, H336
Narcosis

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hazardous to the aquatic environment – Chronic Hazard, H412
Category 3

Full text of H- and EUH-statements: see section 16

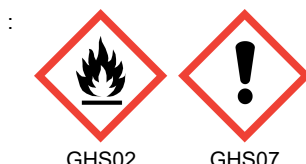
Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: isopropanol; hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 - Do not pierce or burn, even after use.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.
P412 - Do not expose to temperatures exceeding 50 °C, 122 °F.

EUH-statements

: EUH208 - Contains Octadecane-1-thiol. May produce an allergic reaction.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

| Component | |
|-----------------------|---|
| isopropanol (67-63-0) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| propane (74-98-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| butane (106-97-8) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-------|---|
| butane substance with national workplace exposure limit(s) (AT, BE, BG, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LV, PL, PT, SI, SK) | CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0 | ≤ 50 | Flam. Gas 1A, H220 Press. Gas (Liq.), H280 |
| isopropanol substance with national workplace exposure limit(s) (BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SI, SK) | CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25 | ≤ 30 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | EC-No.: 920-750-0 REACH-no: 01-2119473851-33 | ≤ 21 | Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066 |
| propane substance with national workplace exposure limit(s) (AT, BE, BG, DE, DK, EE, ES, FI, GR, LV, PL, RO, SI) | CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 | ≤ 20 | Flam. Gas 1A, H220 Press. Gas (Liq.), H280 |
| Octadecane-1-thiol | CAS-No.: 2885-00-9 EC-No.: 220-744-1 | ≤ 0.5 | Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Call a poison center or a doctor if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|------------------------------------|--------------------------------------|
| Symptoms/effects | : May cause drowsiness or dizziness. |
| Symptoms/effects after eye contact | : Eye irritation. |

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|---|
| Fire hazard | : Extremely flammable aerosol. |
| Explosion hazard | : Pressurised container: May burst if heated. |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Storage class (LGK, TRGS 510) : LGK 2B - Aerosol dispensers and lighters

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopropanol (67-63-0) | |
|--|--|
| Belgium - Occupational Exposure Limits | |
| Local name | Alcool isopropylique # Isopropylalcohol |
| OEL TWA | 500 mg/m ³ |
| | 200 ppm |
| OEL STEL | 1000 mg/m ³ |
| | 400 ppm |
| Regulatory reference | Koninklijk besluit/Arrêté royal 11/05/2021 |
| Bulgaria - Occupational Exposure Limits | |
| Local name | Изопропилов алкохол |
| OEL TWA | 980 mg/m ³ |
| OEL STEL | 1225 mg/m ³ |
| Regulatory reference | Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 47 от 2021 г., в сила от 04.06.2021 г.) |
| Croatia - Occupational Exposure Limits | |
| Local name | Propan-2-ol; izopropil-alkohol; izopropanol |
| GVI (OEL TWA) | 999 mg/m ³ |
| | 400 ppm |
| KGVI (OEL STEL) | 1250 mg/m ³ |
| | 500 ppm |
| Regulatory reference | Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, граничним vrijednostima izloženosti i biološkim граничним vrijednostima (NN 1/2021) |
| Croatia - Biological limit values | |
| Local name | Propan-2-ol |
| BLV | 50 mg/l Karakteristični pokazatelj: aceton - Biološki uzorak: krv - Vrijeme uzorkovanja: na kraju radne smjene 0,86 µmol/l Karakteristični pokazatelj: aceton - Biološki uzorak: krv - Vrijeme uzorkovanja: na kraju radne smjene 0,86 µmol/l Karakteristični pokazatelj: aceton - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene 50 mg/l Karakteristični pokazatelj: aceton - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene |
| Regulatory reference | Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, граничним vrijednostima izloženosti i biološkim граничним vrijednostima (NN 91/2018) |
| Czech Republic - Occupational Exposure Limits | |
| Local name | 2-Propanol (Isopropanol; Izopropylalkohol) |
| PEL (OEL TWA) | 500 mg/m ³ |
| | 200 ppm |
| NPK-P (OEL C) | 1000 mg/m ³ |
| | 400 ppm |
| Remark | I - dráždí sliznice (oči, dýchací cesty), respektive kůži. |
| Regulatory reference | Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.) |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopropanol (67-63-0) | |
|--|--|
| Denmark - Occupational Exposure Limits | |
| Local name | Isopropylalkohol (Isopropanol; 2-Propanol; sec-Propylalkohol) |
| OEL TWA | 490 mg/m ³ |
| | 200 ppm |
| Regulatory reference | BEK nr 2203 af 29. november 2021 |
| Estonia - Occupational Exposure Limits | |
| Local name | 2-propanool (isopropüülalkohol, isopropanool) |
| OEL TWA | 350 mg/m ³ |
| | 150 ppm |
| OEL STEL | 600 mg/m ³ |
| | 250 ppm |
| Regulatory reference | Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 15.05.2021, 1) |
| Finland - Occupational Exposure Limits | |
| Local name | 2-Propanoli |
| HTP (OEL TWA) | 500 mg/m ³ |
| | 200 ppm |
| HTP (OEL STEL) | 620 mg/m ³ |
| | 250 ppm |
| Regulatory reference | HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö) |
| France - Occupational Exposure Limits | |
| Local name | Alcool isopropylique |
| VLE (OEL C/STEL) | 980 mg/m ³ |
| | 400 ppm |
| Remark | Valeurs recommandées/admises |
| Regulatory reference | Circulaire du Ministère du travail (réf.: INRS ED 984, 2016) |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) | 500 mg/m ³ |
| | 200 ppm |
| AGW (OEL C) | 1000 mg/m ³ |
| Peak exposure limitation factor | 2(II) |
| Remark | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden |
| Regulatory reference | TRGS900 |
| Germany - Biological limit values (TRGS 903) | |
| Local name | Propan-2-ol |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopropanol (67-63-0) | |
|--|--|
| Biological limit value | 25 mg/l Parameter: Aceton - Untersuchungsmaterial: B = Vollblut, U = Urin - Probenahmezeitpunkt: b) Expositionsende, bzw. Schichtende - Festlegung/Begründung: 11/2012 DFG 25 mg/l Parameter: Aceton - Untersuchungsmaterial: U = Urin - Probenahmezeitpunkt: b) Expositionsende, bzw. Schichtende - Festlegung/Begründung: 11/2012 DFG |
| Regulatory reference | TRGS 903 |
| Greece - Occupational Exposure Limits | |
| Local name | Ισοπροπιλική αλκοόλη |
| OEL TWA | 980 mg/m ³ 400 ppm |
| OEL STEL | 1225 mg/m ³ 500 ppm |
| Regulatory reference | Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους |
| Hungary - Occupational Exposure Limits | |
| Local name | IZOPROPIL-ALKOHOL |
| AK (OEL TWA) | 500 mg/m ³ |
| CK (OEL STEL) | 1000 mg/m ³ |
| Remark | b (Bőrön át is felszívódik), i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármát); R (Azok az anyagok, amelyek egészségkárosító hatása RÖVID expozíció hatására jelentkezik) |
| Regulatory reference | 5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről |
| Hungary - Biological Exposure Indices | |
| Local name | Izopropil-alkohol (2-Propanol) |
| BEI | 25 mg/l Biológiai expozíciós (hatás) mutató: aceton - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén) 430 µmol/l Biológiai expozíciós (hatás) mutató: aceton - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén) |
| Remark | A foglalkozási vegyi expozíció esetén ajánlott biológiai expozíciós és hatásmutatók határértékei |
| Regulatory reference | 5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről |
| Ireland - Occupational Exposure Limits | |
| Local name | Isopropyl alcohol [Propan-2-ol] |
| OEL TWA | 200 ppm |
| OEL STEL | 400 ppm |
| Remark | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body) |
| Regulatory reference | Chemical Agents Code of Practice 2021 |
| Latvia - Occupational Exposure Limits | |
| Local name | Izopropanols (2-propanols, izopropilspirts, 1-metil-1-etanols) |
| OEL TWA | 350 mg/m ³ |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopropanol (67-63-0) | |
|---|--|
| OEL STEL | 600 mg/m ³ |
| Regulatory reference | Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2011. gada 1. februārī noteikumiem Nr. 92) |
| Lithuania - Occupational Exposure Limits | |
| Local name | 2-propanolis (izopropanolis, izopropilo alkoholis) |
| IPRV (OEL TWA) | 350 mg/m ³ |
| | 150 ppm |
| TPRV (OEL STEL) | 600 mg/m ³ |
| | 250 ppm |
| Regulatory reference | LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12) |
| Netherlands - Occupational Exposure Limits | |
| TGG-8u (OEL TWA) | 650 mg/m ³ |
| TGG-15min (OEL STEL) | 0 mg/m ³ |
| Poland - Occupational Exposure Limits | |
| Local name | Propan-2-ol (izopropylowy alkohol) |
| NDS (OEL TWA) | 900 mg/m ³ |
| NDSch (OEL STEL) | 1200 mg/m ³ |
| Remark | Skóra (Oznakowanie substancji notacją „skóra” oznacza, że wchłanianie substancji przez skórę może być tak samo istotne jak przy narażeniu drogą oddechową). |
| Regulatory reference | Dz. U. 2018 poz. 1286 |
| Portugal - Occupational Exposure Limits | |
| Local name | 2-Propanol (isopropanol ou álcool isopropílico) |
| OEL TWA | 200 ppm |
| OEL STEL | 400 ppm |
| Remark | A4 (Agente não classificável como carcinogénico no Homem); IBE (Índice biológico de exposição) |
| Regulatory reference | Norma Portuguesa NP 1796:2014 |
| Portugal - Biological Exposure Indices | |
| Local name | 2-Propanol |
| BEI | 40 mg/l Parâmetro: Acetona - Meio: urina - Momento da amostragem: Fim do turno no fim da semana de trabalho - Notação: Vb (Valor basal), Ne (Não específico) |
| Regulatory reference | Norma Portuguesa NP 1796:2014 |
| Romania - Occupational Exposure Limits | |
| Local name | Alcool izopropilic/2-Propanol |
| OEL TWA | 200 mg/m ³ |
| | 81 ppm |
| OEL STEL | 500 mg/m ³ |
| | 203 ppm |
| Regulatory reference | Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021) |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopropanol (67-63-0) | |
|--|--|
| Romania - Biological limit values | |
| Local name | Alcool izopropilic |
| BLV | 50 mg/l Indicador biologic: Acetonă - Material biologic: urină - Momentul recoltării: sfârșit de schimb |
| Regulatory reference | Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 584/2018) |
| Slovakia - Occupational Exposure Limits | |
| Local name | Izopropylalkohol (propán-2-ol) |
| NPHV (OEL TWA) | 500 mg/m ³ 200 ppm |
| NPHV (OEL STEL) | 1000 mg/m ³ 400 ppm |
| Regulatory reference | Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.) |
| Slovenia - Occupational Exposure Limits | |
| Local name | propan-2-ol (izopropilalkohol; izopropanol) |
| OEL TWA | 500 mg/m ³ 200 ppm |
| OEL STEL | 1000 mg/m ³ 400 ppm |
| Remark | Y (Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in bat vrednosti), BAT (Biološka mejna vrednost) |
| Regulatory reference | Uradni list RS, št. 72/2021 z dne 11.5.2021 |
| Slovenia - Biological limit values | |
| Local name | 2-propanol |
| BLV | 25 mg/l Parameter: aceton - Biološki vzorec: kri - Čas vzorčenja: ob koncu delovne izmene 25 mg/l Parameter: aceton - Biološki vzorec: urin - Čas vzorčenja: ob koncu delovne izmene |
| Regulatory reference | Uradni list RS, št. 72/2021 z dne 11.5.2021 |
| Spain - Occupational Exposure Limits | |
| Local name | Isopropanol (Alcohol isopropílico) |
| VLA-ED (OEL TWA) | 500 mg/m ³ 200 ppm |
| VLA-EC (OEL STEL) | 1000 mg/m ³ 400 ppm |
| Remark | VLB® (Agente químico que tiene Valor Límite Biológico), s (Esta sustancia tiene prohibida total o parcialmente su comercialización y uso como fitosanitario y/o como biocida. Para una información detallada acerca de las prohibiciones consúltese: Base de datos de productos biocidas: http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas Base de datos de productos fitosanitarios http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf). |
| Regulatory reference | Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopropanol (67-63-0) | |
|---|---|
| Spain - Biological limit values | |
| Local name | Isopropanol (Alcohol isopropílico) |
| BLV | 40 mg/l Parámetro: Acetona - Medio: Orina - Momento de muestreo: Final de la semana laboral - Notas: F (Fondo. El indicador está generalmente presente en cantidades detectables en personas no expuestas laboralmente. Estos niveles de fondo están considerados en el valor VLB), I (Significa que el indicador biológico es inespecífico puesto que puede encontrarse después de la exposición a otros agentes químicos) |
| Regulatory reference | Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT |
| Sweden - Occupational Exposure Limits | |
| Local name | Isopropanol |
| NGV (OEL TWA) | 350 mg/m ³ 150 ppm |
| KGV (OEL STEL) | 600 mg/m ³ 250 ppm |
| Remark | V (Vägledande kortidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas) |
| Regulatory reference | Hygieniska gränsvärden (AFS 2018:1) |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Propan-2-ol |
| WEL TWA (OEL TWA) | 999 mg/m ³ 400 ppm |
| WEL STEL (OEL STEL) | 1250 mg/m ³ 500 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| Iceland - Occupational Exposure Limits | |
| Local name | 2-Própanól (Ísóprópanól, Ísóprópylalkóhól, sec-própylalkóhól) |
| OEL TWA | 490 mg/m ³ 200 ppm |
| Remark | H (efnið getur auðveldlega borist inn í líkamann gegnum húð) |
| Regulatory reference | Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009) |
| Norway - Occupational Exposure Limits | |
| Local name | 2-propanol (Isopropanol) |
| Grenseverdi (OEL TWA) | 245 mg/m ³ 100 ppm |
| Regulatory reference | FOR-2021-06-28-2248 |
| North Macedonia - Occupational Exposure Limits | |
| Local name | пропан-2-ол (изопропилалкохол; изопропанол) |
| OEL TWA | 500 mg/m ³ 200 ppm |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopropanol (67-63-0) | |
|--|--|
| KTV | 4 |
| Short time value [mg/m ³] | 2000 mg/m ³ |
| Short time value [ppm] | 800 ppm |
| Remark | (KTV) краткотрајна вредност (КТВ) значи концентрација на опасни хемиски супстанции во воздухот на работното место внатре во зона на дишење, на која работникот без опасност по здравјето може да е изложен на покусо време. Изложеноста на краткотрајни вредности може да трае највеќе 15 минути и не смее да се повтори повеќе од четирипати во работната смена, при што меѓу две изложености на оваа концентрација мора да измине најмалку 60 минути. Краткотрајната вредност е изразена во mg/m ³ или во ml/m ³ (ppm) а е дадена како многукратни дозволени пречекорувања на граничната вредност; (Y); (BAT) биолошка гранична вредност – праг на биолошка гранична вредност, што значи предупредување на опасна хемиска супстанца и нејзини метаболити во ткивата, телесните течности или издишувањето на воздухот, без оглед на тоа, дали опасната хемиска супстанца е внесена во организмот со вдишување, голтање или преку кожата |
| Regulatory reference | Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанции („Службен весник на Република Македонија“ бр.46/10) |
| Switzerland - Occupational Exposure Limits | |
| Local name | 2-Propanol / 2-Propanol [iso-Propylalkohol, Isopropanol, Isopropylalkohol] |
| MAK (OEL TWA) | 500 mg/m ³ 200 ppm |
| KZGW (OEL STEL) | 1000 mg/m ³ 400 ppm |
| Critical toxicity | VRS, Foie, SNC, Yeux / OAW, Leber, ZNS, Auge |
| Notation | SS _c , B / SS _c , B |
| Remark | INRS, NIOSH |
| Regulatory reference | www.suva.ch, 28.03.2022 |
| Switzerland - BAT | |
| Local name | 2-Propanol / 2-Propanol |
| BAT | 25 mg/l (0.4 mmol/l; Paramètre biologique: Acétone; Substrat d'examen: Sang complet; Moment du prélèvement: Fin de l'exposition, de la période de travail.) / (0.4 mmol/l; Biologischer Parameter: Aceton; Untersuchungsmaterial: Vollblut; Probennahmezeitpunkt: Expositionsende, bzw. Schichtende.) 25 mg/l (0.4 mmol/l; Paramètre biologique: Acétone; Substrat d'examen: Urine; Moment du prélèvement: Fin de l'exposition, de la période de travail.) / (0.4 mmol/l; Biologischer Parameter: Aceton; Untersuchungsmaterial: Urin; Probennahmezeitpunkt: Expositionsende, bzw. Schichtende.) |
| Regulatory reference | Ordonnance 832.30 (OPA), article 50 al. 3, www.suva.ch/valeurs-limites / Verordnung 832.30 (VUV), Art. 50 Abs. 3, www.suva.ch/grenzwerte |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | 2-Propanol |
| ACGIH OEL TWA | 200 ppm |
| ACGIH OEL STEL | 400 ppm |
| Remark (ACGIH) | TLV® Basis: Eye & URT irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopropanol (67-63-0) | |
|---|---|
| Regulatory reference | ACGIH 2022 |
| propane (74-98-6) | |
| Austria - Occupational Exposure Limits | |
| Local name | Propan (R 290) |
| MAK (OEL TWA) | 1800 mg/m ³ 1000 ppm |
| MAK (OEL STEL) | 3600 mg/m ³ (3x 60(Mow) min) 2000 ppm (3x 60(Mow) min) |
| Regulatory reference | BGBI. II Nr. 156/2021 |
| Belgium - Occupational Exposure Limits | |
| Local name | Hydrocarbures aliphatiques sous forme gazeuse: (Alcanes C1-C3) # Alifatische koolwaterstoffen in gas-vorm: Alkanen (C1-C3) |
| OEL TWA | 1000 ppm |
| Regulatory reference | Koninklijk besluit/Arrêté royal 11/05/2021 |
| Bulgaria - Occupational Exposure Limits | |
| Local name | Пропан |
| OEL TWA | 1800 mg/m ³ |
| Regulatory reference | Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 47 от 2021 г., в сила от 04.06.2021 г.) |
| Denmark - Occupational Exposure Limits | |
| Local name | Propan (Flaskegas) |
| OEL TWA | 1800 mg/m ³ 1000 ppm |
| Regulatory reference | BEK nr 2203 af 29. november 2021 |
| Estonia - Occupational Exposure Limits | |
| Local name | Propaan |
| OEL TWA | 1800 mg/m ³ 1000 ppm |
| Regulatory reference | Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 15.05.2021, 1) |
| Finland - Occupational Exposure Limits | |
| Local name | Propaani |
| HTP (OEL TWA) | 1500 mg/m ³ 800 ppm |
| HTP (OEL STEL) | 2000 mg/m ³ 1100 ppm |
| Remark | Happea syrjäyttämällä tukahduttavat kaasut. |
| Regulatory reference | HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö) |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| propane (74-98-6) | |
|--|--|
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) | 1800 mg/m ³ |
| | 1000 ppm |
| Peak exposure limitation factor | 4(II) |
| Remark | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission) |
| Regulatory reference | TRGS900 |
| Greece - Occupational Exposure Limits | |
| Local name | Προπάνιο |
| OEL TWA | 1800 mg/m ³ |
| | 1000 ppm |
| Regulatory reference | Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους |
| Ireland - Occupational Exposure Limits | |
| Local name | Aliphatic hydrocarbon gases Alkanes (C1-C3): Propane |
| Remark | Asphx. (Gaseous chemical substances which may not produce significant physiological effects in the exposed employee, but when present in high concentrations will act as simple asphyxiants) |
| Regulatory reference | Chemical Agents Code of Practice 2021 |
| Latvia - Occupational Exposure Limits | |
| Local name | Propāns |
| OEL TWA | 1800 mg/m ³ |
| | 1000 ppm |
| Regulatory reference | Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2015. gada 7. aprīlī noteikumiem Nr. 163) |
| Poland - Occupational Exposure Limits | |
| Local name | Propan |
| NDS (OEL TWA) | 1800 mg/m ³ |
| Regulatory reference | Dz. U. 2018 poz. 1286 |
| Romania - Occupational Exposure Limits | |
| Local name | Propan |
| OEL TWA | 1400 mg/m ³ |
| | 778 ppm |
| OEL STEL | 1800 mg/m ³ |
| | 1000 ppm |
| Regulatory reference | Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021) |
| Slovenia - Occupational Exposure Limits | |
| Local name | propan |
| OEL TWA | 1800 mg/m ³ |
| | 1000 ppm |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| propane (74-98-6) | |
|--|---|
| OEL STEL | 7200 mg/m ³ |
| | 4000 ppm |
| Regulatory reference | Uradni list RS, št. 72/2021 z dne 11.5.2021 |
| Spain - Occupational Exposure Limits | |
| Local name | Propano |
| VLA-ED (OEL TWA) | 1000 ppm Hidrocarburos alifáticos alcanos (C1 – C4) y sus mezclas, gases (Butano; Etano; Metano; Propano) |
| Regulatory reference | Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT |
| Iceland - Occupational Exposure Limits | |
| Local name | Própan (flöskugas) |
| OEL TWA | 1800 mg/m ³ |
| | 1000 ppm |
| Regulatory reference | Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009) |
| Norway - Occupational Exposure Limits | |
| Local name | Propan |
| Grenseverdi (OEL TWA) | 900 mg/m ³ |
| | 500 ppm |
| Regulatory reference | FOR-2021-06-28-2248 |
| North Macedonia - Occupational Exposure Limits | |
| Local name | Пропан |
| OEL TWA | 1800 mg/m ³ |
| | 1000 ppm |
| KTV | 4 |
| Short time value [mg/m ³] | 7200 mg/m ³ |
| Short time value [ppm] | 4000 ppm |
| Remark | (KTV) краткотрајна вредност (КТВ) значи концентрација на опасни хемиски супстанции во воздухот на работното место внатре во зона на дишење, на која работникот без опасност по здравјето може да е изложен на покусо време. Изложеноста на краткотрајни вредности може да трае највеќе 15 минути и не смее да се повтори повеќе од четирипати во работната смена, при што меѓу две изложености на оваа концентрација мора да измине најмалку 60 минути. Краткотрајната вредност е изразена во mg/m ³ или во ml/m ³ (ppm) а е дадена како многукратни дозволени пречекорувања на граничната вредност |
| Regulatory reference | Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанции („Службен весник на Република Македонија“ бр.46/10) |
| Switzerland - Occupational Exposure Limits | |
| Local name | Propane / Propan |
| MAK (OEL TWA) | 1800 mg/m ³ |
| | 1000 ppm |
| KZGW (OEL STEL) | 7200 mg/m ³ |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| propane (74-98-6) | |
|--|---|
| | 4000 ppm |
| Critical toxicity | Formel / Formal |
| Remark | NIOSH |
| Regulatory reference | www.suva.ch, 28.03.2022 |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Propane |
| Remark (ACGIH) | TLV® Basis: Simple Asphyxiant |
| Regulatory reference | ACGIH 2022 |
| butane (106-97-8) | |
| Austria - Occupational Exposure Limits | |
| Local name | Butan (beide Isomeren): n-Butan (R 600) |
| MAK (OEL TWA) | 1900 mg/m ³ 800 ppm |
| MAK (OEL STEL) | 3800 mg/m ³ (3x 60(Mow) min) 1600 ppm (3x 60(Mow) min) |
| Regulatory reference | BGBI. II Nr. 156/2021 |
| Belgium - Occupational Exposure Limits | |
| Local name | Butane, tous isomères: n-butane # Butaan, alle isomeren: n-butaan |
| OEL STEL | 2370 mg/m ³ 980 ppm |
| Regulatory reference | Koninklijk besluit/Arrêté royal 11/05/2021 |
| Bulgaria - Occupational Exposure Limits | |
| Local name | n-Бутан |
| OEL TWA | 1900 mg/m ³ |
| Regulatory reference | Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 47 от 2021 г., в сила от 04.06.2021 г.) |
| Croatia - Occupational Exposure Limits | |
| Local name | Butan |
| GVI (OEL TWA) | 1450 mg/m ³ 600 ppm |
| KGVI (OEL STEL) | 1810 mg/m ³ 750 ppm |
| Regulatory reference | Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, граниčnim vrijednostima izloženosti i biološkim граниčnim vrijednostima (NN 1/2021) |
| Denmark - Occupational Exposure Limits | |
| Local name | n-Butan |
| OEL TWA | 1200 mg/m ³ 500 ppm |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| butane (106-97-8) | |
|--|---|
| Regulatory reference | BEK nr 2203 af 29. november 2021 |
| Estonia - Occupational Exposure Limits | |
| Local name | n-butään |
| OEL TWA | 1500 mg/m ³ |
| | 800 ppm |
| Regulatory reference | Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 15.05.2021, 1) |
| Finland - Occupational Exposure Limits | |
| Local name | n-Butaani |
| HTP (OEL TWA) | 1900 mg/m ³ |
| | 800 ppm |
| HTP (OEL STEL) | 2400 mg/m ³ |
| | 1000 ppm |
| Remark | Happea syrjäyttämällä tukahduttavat kaasut. |
| Regulatory reference | HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö) |
| France - Occupational Exposure Limits | |
| Local name | n-Butane |
| VME (OEL TWA) | 1900 mg/m ³ |
| | 800 ppm |
| Remark | Valeurs recommandées/admises |
| Regulatory reference | Circulaire du Ministère du travail (réf.: INRS ED 984, 2016) |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) | 2400 mg/m ³ |
| | 1000 ppm |
| Peak exposure limitation factor | 4(II) |
| Remark | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission) |
| Regulatory reference | TRGS900 |
| Greece - Occupational Exposure Limits | |
| Local name | Βουτάνιο |
| OEL TWA | 2350 mg/m ³ |
| | 1000 ppm |
| Regulatory reference | Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους |
| Hungary - Occupational Exposure Limits | |
| Local name | n-BUTÁN |
| AK (OEL TWA) | 2350 mg/m ³ |
| CK (OEL STEL) | 9400 mg/m ³ |
| Remark | N (Irritáló anyagok, egyszerű fojtógázok, csekély egészségkárosító hatással bíró anyagok) |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| butane (106-97-8) | |
|--|--|
| Regulatory reference | 5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről |
| Ireland - Occupational Exposure Limits | |
| Local name | Butane, all isomers: Butane |
| OEL STEL | 1000 ppm |
| Regulatory reference | Chemical Agents Code of Practice 2021 |
| Latvia - Occupational Exposure Limits | |
| Local name | Butāns (kas satur vairāk nekā 0,1 % butadiēna) |
| OEL TWA | 300 mg/m ³ |
| Remark | Carc. 1A; Muta. 1B |
| Regulatory reference | Ministru kabineta 2008. gada 29. septembra noteikumi Nr. 803 (Grozījumi Ministru kabineta 2020. gada 7. janvārī noteikumiem Nr. 10). |
| Poland - Occupational Exposure Limits | |
| Local name | Butan (n-butan) |
| NDS (OEL TWA) | 1900 mg/m ³ |
| NDSCh (OEL STEL) | 3000 mg/m ³ |
| Regulatory reference | Dz. U. 2018 poz. 1286 |
| Portugal - Occupational Exposure Limits | |
| Local name | Butano, todos os isómeros |
| OEL STEL | 1000 ppm |
| Regulatory reference | Norma Portuguesa NP 1796:2014 |
| Slovakia - Occupational Exposure Limits | |
| Local name | Bután s obsahom ≥ 0,1% butadiénu (n-bután) |
| NPHV (OEL TWA) | 2400 mg/m ³ (TSH) 1000 ppm (TSH) |
| Remark | Kategória karcinogénov 1A – Dokázaný karcinogén pre ľudí |
| Regulatory reference | Nariadenie vlády č. 356/2006 Z. z. (235/2020 Z. z.) |
| Slovenia - Occupational Exposure Limits | |
| Local name | butan |
| OEL TWA | 2400 mg/m ³ 1000 ppm |
| OEL STEL | 9600 mg/m ³ 4000 ppm |
| Regulatory reference | Uradni list RS, št. 72/2021 z dne 11.5.2021 |
| Spain - Occupational Exposure Limits | |
| Local name | Butano |
| VLA-ED (OEL TWA) | 1000 ppm Hidrocarburos alifáticos alcanos (C1 – C4) y sus mezclas, gases (Butano; Etano; Metano; Propano) |
| Regulatory reference | Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| butane (106-97-8) | |
|---|---|
| United Kingdom - Occupational Exposure Limits | |
| Local name | Butane |
| WEL TWA (OEL TWA) | 1450 mg/m ³ |
| | 600 ppm |
| WEL STEL (OEL STEL) | 1810 mg/m ³ |
| | 750 ppm |
| Remark | Carc (Capable of causing cancer and/or heritable genetic damage, only applies if Butane contains more than 0.1% of buta-1,3-diene) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| Iceland - Occupational Exposure Limits | |
| Local name | n-Bútan |
| OEL TWA | 1200 mg/m ³ |
| | 500 ppm |
| Regulatory reference | Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009) |
| Norway - Occupational Exposure Limits | |
| Local name | Butan |
| Grenseverdi (OEL TWA) | 600 mg/m ³ |
| | 250 ppm |
| Regulatory reference | FOR-2021-06-28-2248 |
| North Macedonia - Occupational Exposure Limits | |
| Local name | Бутан |
| OEL TWA | 2400 mg/m ³ |
| | 1000 ppm |
| KTV | 4 |
| Short time value [mg/m ³] | 9600 mg/m ³ |
| Short time value [ppm] | 4000 ppm |
| Remark | (KTV) краткотрајна вредност (КТВ) значи концентрација на опасни хемиски супстанции во воздухот на работното место внатре во зона на дишење, на која работникот без опасност по здравјето може да е изложен на покусо време. Изложеноста на краткотрајни вредности може да трае највеќе 15 минути и не смее да се повтори повеќе од четирипати во работната смена, при што меѓу две изложености на оваа концентрација мора да измине најмалку 60 минути. Краткотрајната вредност е изразена во mg/m ³ или во ml/m ³ (ppm) а е дадена како многукратни дозволени пречекорувања на граничната вредност |
| Regulatory reference | Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанции („Службен весник на Република Македонија“ бр.46/10) |
| Switzerland - Occupational Exposure Limits | |
| Local name | n-Butane / n-Butan |
| MAK (OEL TWA) | 1900 mg/m ³ |
| | 800 ppm |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| butane (106-97-8) | |
|--|-------------------------|
| KZGW (OEL STEL) | 7600 mg/m ³ |
| | 3200 ppm |
| Critical toxicity | SNC / ZNS |
| Regulatory reference | www.suva.ch, 28.03.2022 |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Butane |
| ACGIH OEL STEL | 1000 ppm |
| Remark (ACGIH) | TLV® Basis: CNS impair |
| Regulatory reference | ACGIH 2022 |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. (EN 166)

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

| Hand protection | | | | | |
|-------------------------------|----------------------|-------------------|----------------|-------------|------------|
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Impermeable protective gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0.35 | | EN ISO 374 |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : Colourless. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : -42 – 189 °C |
| Flammability | : Extremely flammable aerosol. |
| Explosive properties | : Pressurised container: May burst if heated. |
| Lower explosion limit | : 0,9 vol % |
| Upper explosion limit | : 12,6 vol % |
| Flash point | : 15 °C |
| Auto-ignition temperature | : 250 °C |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : 1 mm ² /s |
| Viscosity, dynamic | : 1 mPa·s |
| Solubility | : Insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : 853000 Pa |
| Vapour pressure at 50°C | : Not available |
| Density | : 0,737 kg/l |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 96,75 %

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : 1,9
VOC content : 96,75 % (598.079 g/l)

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

isopropanol (67-63-0)

| | |
|-----------------------------------|---|
| LD50 oral rat | 5840 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s)) |
| LD50 oral | 4396 mg/kg bodyweight |
| LD50 dermal rabbit | 16400 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) |
| LD50 dermal | 12800 mg/kg bodyweight |
| LC50 Inhalation - Rat [ppm] | > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |
| LC50 Inhalation - Rat (Dust/Mist) | 46600 mg/l |

Octadecane-1-thiol (2885-00-9)

| | |
|-----------------|--|
| LD50 dermal rat | ≥ 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
|-----------------|--|

propane (74-98-6)

| | |
|-----------------------------|---|
| LC50 Inhalation - Rat [ppm] | > 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases)) |
|-----------------------------|---|

butane (106-97-8)

| | |
|-----------------------------|--|
| LC50 Inhalation - Rat [ppm] | > 800000 ppm (15 minutes, Rat, Male / female, Experimental value of similar product, Inhalation (gases)) |
|-----------------------------|--|

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

| | |
|-----------------------------------|--|
| LD50 oral | > 5840 mg/kg bodyweight |
| LD50 dermal rat | 2800 – 3100 mg/kg bodyweight Animal: rat, Remarks on results: other: |
| LD50 dermal | > 2920 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 23,3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |
| LC50 Inhalation - Rat (Dust/Mist) | > 23300 mg/l |

Skin corrosion/irritation : Not classified

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|--|---|
| isopropanol (67-63-0) | |
| pH | No data available in the literature |
| propane (74-98-6) | |
| pH | No data available in the literature |
| butane (106-97-8) | |
| pH | No data available in the literature |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| isopropanol (67-63-0) | |
| pH | No data available in the literature |
| propane (74-98-6) | |
| pH | No data available in the literature |
| butane (106-97-8) | |
| pH | No data available in the literature |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Octadecane-1-thiol (2885-00-9) | |
| NOAEL (animal/male, F0/P) | ≥ 250 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (animal/female, F0/P) | ≥ 250 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| STOT-single exposure | : May cause drowsiness or dizziness. |
| isopropanol (67-63-0) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| STOT-repeated exposure | : Not classified |
| Octadecane-1-thiol (2885-00-9) | |
| NOAEL (oral, rat, 90 days) | ≥ 50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | |
| NOAEC (inhalation, rat, vapour, 90 days) | 24,3 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) |
| Aspiration hazard | : Not classified. |
| HAGERTY Silver Spray | |
| Vaporizer | Aerosol |
| Viscosity, kinematic | 1 mm ² /s |
| isopropanol (67-63-0) | |
| Viscosity, kinematic | 2,66 mm ² /s (25 °C, Estimated value) |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| propane (74-98-6) | |
|--|---|
| Viscosity, kinematic | No data available in the literature |
| butane (106-97-8) | |
| Viscosity, kinematic | No data available in the literature |
| hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | |
| Viscosity, kinematic | 0,715 – 0,786 mm ² /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm ² /s)' |

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--|
| Ecology - general | : Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |
| Not rapidly degradable | |

| isopropanol (67-63-0) | |
|------------------------------------|--|
| LC50 - Fish [1] | 9640 – 10000 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal) |
| LC50 - Fish [2] | 9640 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Other aquatic organisms [1] | 13299 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | > 1000 mg/l |

| Octadecane-1-thiol (2885-00-9) | |
|---------------------------------------|--|
| LC50 - Fish [1] | 0,33 mg/l Test organisms (species): |
| EC50 - Crustacea [1] | ≥ 0,024 mg/l Test organisms (species): Daphnia sp. |

| propane (74-98-6) | |
|--------------------------|--|
| LC50 - Fish [1] | 50 mg/l (96 h, Pisces, Fresh water, QSAR, Estimated value) |
| EC50 96h - Algae [1] | 12 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR) |

| butane (106-97-8) | |
|--------------------------|--|
| LC50 - Fish [1] | 24,11 mg/l (ECOSAR, 96 h, Pisces, Fresh water, QSAR) |
| EC50 96h - Algae [1] | 7,71 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR) |

| hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | |
|--|--|
| LC50 - Fish [1] | > 3 mg/l |
| EC50 - Other aquatic organisms [1] | 4,6 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 10 mg/l |
| LOEC (chronic) | 0,32 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 0,17 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.2. Persistence and degradability

isopropanol (67-63-0)

| | |
|---------------------------------|------------------------------------|
| Persistence and degradability | Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1,19 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 2,23 g O ₂ /g substance |
| ThOD | 2,4 g O ₂ /g substance |

propane (74-98-6)

| | |
|-------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |
|-------------------------------|---------------------------------|

butane (106-97-8)

| | |
|-------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |
|-------------------------------|---------------------------------|

12.3. Bioaccumulative potential

isopropanol (67-63-0)

| | |
|---|--|
| BCF - Fish [1] | 1015 (BCFBAF v3.01, Estimated value) |
| Partition coefficient n-octanol/water (Log Pow) | 0,05 (Weight of evidence approach, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

propane (74-98-6)

| | |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | 1,1 – 2,8 (Experimental value, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

butane (106-97-8)

| | |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | 2,8 (Experimental value, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

| | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 4,85 |
|---|------|

12.4. Mobility in soil

isopropanol (67-63-0)

| | |
|--|--|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0,185 – 0,541 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

propane (74-98-6)

| | |
|-----------------|-------------------------------------|
| Surface tension | No data available in the literature |
| Ecology - soil | Not applicable (gas). |

butane (106-97-8)

| | |
|-----------------|-------------------------------------|
| Surface tension | No data available in the literature |
| Ecology - soil | Not applicable (gas). |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.5. Results of PBT and vPvB assessment

| Component | |
|-----------------------|---|
| isopropanol (67-63-0) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| propane (74-98-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| butane (106-97-8) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
European List of Waste (LoW, EC 2000/532) : 16 05 04* - gases in pressure containers (including halons) containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances
14 06 00 - waste organic solvents, refrigerants and foam/aerosol propellants

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID /

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| 14.1. UN number or ID number | | | | |
| UN 1950 | UN 1950 | UN 1950 | UN 1950 | UN 1950 |
| 14.2. UN proper shipping name | | | | |
| AEROSOLS | AEROSOLS | Aerosols, flammable | AEROSOLS | AEROSOLS |
| Transport document description | | | | |
| UN 1950 AEROSOLS, 2.1, (D) | UN 1950 AEROSOLS, 2.1 (15°C c.c.) | UN 1950 Aerosols, flammable, 2.1 | UN 1950 AEROSOLS, 2.1 | UN 1950 AEROSOLS, 2.1 |
| 14.3. Transport hazard class(es) | | | | |
| 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR | IMDG | IATA | ADN | RID |
|--|---|-----------------------------------|-----------------------------------|-----------------------------------|
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

| | |
|---|----------------------|
| Classification code (ADR) | : 5F |
| Special provisions (ADR) | : 190, 327, 344, 625 |
| Limited quantities (ADR) | : 1I |
| Excepted quantities (ADR) | : E0 |
| Packing instructions (ADR) | : P207, LP200 |
| Special packing provisions (ADR) | : PP87, RR6, L2 |
| Mixed packing provisions (ADR) | : MP9 |
| Transport category (ADR) | : 2 |
| Special provisions for carriage - Packages (ADR) | : V14 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12 |
| Special provisions for carriage - Operation (ADR) | : S2 |
| Tunnel restriction code (ADR) | : D |

Transport by sea

| | |
|-----------------------------------|------------------------------------|
| Special provisions (IMDG) | : 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG) | : SP277 |
| Excepted quantities (IMDG) | : E0 |
| Packing instructions (IMDG) | : P207, LP200 |
| Special packing provisions (IMDG) | : PP87, L2 |
| EmS-No. (Fire) | : F-D |
| EmS-No. (Spillage) | : S-U |
| Stowage category (IMDG) | : None |
| Stowage and handling (IMDG) | : SW1, SW22 |
| Segregation (IMDG) | : SG69 |

Air transport

| | |
|--|--------------------|
| PCA Excepted quantities (IATA) | : E0 |
| PCA Limited quantities (IATA) | : Y203 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 203 |
| PCA max net quantity (IATA) | : 75kg |
| CAO packing instructions (IATA) | : 203 |
| CAO max net quantity (IATA) | : 150kg |
| Special provisions (IATA) | : A145, A167, A802 |
| ERG code (IATA) | : 10L |

Inland waterway transport

| | |
|-----------------------------------|----------------------|
| Classification code (ADN) | : 5F |
| Special provisions (ADN) | : 190, 327, 344, 625 |
| Limited quantities (ADN) | : 1 L |
| Excepted quantities (ADN) | : E0 |
| Equipment required (ADN) | : PP, EX, A |
| Ventilation (ADN) | : VE01, VE04 |
| Number of blue cones/lights (ADN) | : 1 |

Rail transport

| | |
|---------------------------|----------------------|
| Classification code (RID) | : 5F |
| Special provisions (RID) | : 190, 327, 344, 625 |
| Limited quantities (RID) | : 1L |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|---|-----------------|
| Excepted quantities (RID) | : E0 |
| Packing instructions (RID) | : P207, LP200 |
| Special packing provisions (RID) | : PP87, RR6, L2 |
| Mixed packing provisions (RID) | : MP9 |
| Transport category (RID) | : 2 |
| Special provisions for carriage – Packages (RID) | : W14 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12 |
| Colis express (express parcels) (RID) | : CE2 |
| Hazard identification number (RID) | : 23 |

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) | | |
|--|---|---|
| Reference code | Applicable on | Entry title or description |
| 3(a) | HAGERTY Silver Spray ; isopropanol ; hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F |
| 3(b) | HAGERTY Silver Spray ; isopropanol ; hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | HAGERTY Silver Spray ; hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : 96,75 % (598.079 g/l)

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Detergent Regulation (648/2004)

| Labelling of contents | |
|------------------------|------|
| Component | % |
| aliphatic hydrocarbons | ≥30% |

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

France

| Occupational diseases | |
|-----------------------|---|
| Code | Description |
| RG 84 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

Germany

| | |
|--|---|
| Employment restrictions | : Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG). |
| Water hazard class (WGK) | : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1). |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject to the Hazardous Incident Ordinance (12. BImSchV) |

Netherlands

| | |
|--|--------------------------------------|
| ABM category | : B(2) - toxic for aquatic organisms |
| SZW-lijst van kankerverwekkende stoffen | : None of the components are listed |
| SZW-lijst van mutagene stoffen | : None of the components are listed |
| SZW-lijst van reprotoxische stoffen – Borstvoeding | : None of the components are listed |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | : None of the components are listed |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling | : None of the components are listed |

Denmark

| | |
|-----------------------------|--|
| Class for fire hazard | : Class I-1 |
| Store unit | : 1 liter |
| Classification remarks | : F <Aerosol 1>; Emergency management guidelines for the storage of flammable liquids must be followed |
| Danish National Regulations | : Young people below the age of 18 years are not allowed to use the product |

Switzerland

| | |
|--------------------|---|
| Storage class (LK) | : LK 2 - Liquefied or pressurized gases |
|--------------------|---|

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|-----|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
|-----|---|

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: | |
|-----------------------------|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Aerosol 1 | Aerosol, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |

HAGERTY Silver Spray

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| EUH208 | Contains Octadecane-1-thiol. May produce an allergic reaction. |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Gas 1A | Flammable gases, Category 1A |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Press. Gas (Liq.) | Gases under pressure : Liquefied gas |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: | | |
|---|-----------|-----------------------|
| Aerosol 1 | H222;H229 | On basis of test data |
| Eye Irrit. 2 | H319 | Calculation method |
| STOT SE 3 | H336 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

Safety Data Sheet (SDS), EU-2023-1

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.