**BORAX CONE SAFETY DATA SHEET**

The following is the safety data information provided by the manufacturer of these products. Please read thoroughly and do not hesitate to contact us if you need further information.

**1. Identification of the substance/preparation
Product name:** Borax Jewellers Flux Cones

**CAS-No:** See section 3 Composition/information on ingredients
**EC (EINECS) No:**See section 3 Composition/information on ingredients
**Synonyms, tradenames:** Borax Jewellers Flux Cones, Jewellers Cones, Borax Cones

**Application:** Flux for soldering precious metals
**Contact and emergency:** Contact details above

**2. Hazards identification
Classification (67/548):**R22; R62; R63; R48/21
**Classification 9EC 1272/2008:**

|  |  |
| --- | --- |
| Physical | Not classified |
| Health | H303 |
| Environmental | Not classified |

**Hazard statements:** H303 Harmful if swallowed,
**Precautionary statement:**
P281 Use of personal protective equipment is required
P308+P313 If exposed or concerned obtain medical advice/attention

P305 +P351 +338 If, in the unlikely hood of ingress into eyes, rinse cautiously with water for several minutes.
P264 Wash thoroughly after handling

**3. Composition/information on ingredients**

**Product Chemical Family :** Orthoboric acids. Sodium borates

|  |  |
| --- | --- |
| CAS No. | 1303-96-4   |
| CAS No. | 10043-35-3 |
| EC (EINECS) No.  | 215-540-4 |
| EC (EINECS) No. | 233-139-2 |
|  |  |

The Borax Cone is a solid object and used to correct manner to which designed will not present any hazard. The information given is mainly based on the majority of the components. Borax Cone will damaged & reduced to a powder form, the details in section 2 should be adhered to.
It should also be noted that the cone in it’s form is unlikely in normal use to be reduced to a powder or present any hazard.

**4. First aid measures
Inhalation:** Not applicable
**Ingestion:** Not applicable
**Skin contact:** See Precautionary Statement. Note. It is recommended that after use, hands should be washed.
**Eye contact:** Not applicable

**5. Fire fighting measures**
**Extinguishing media:**The product is not flammable. Use of fire-extinguisher appropriate for surrounding materials.
**Specific hazards:**  Oxides of Carbon
**Protective:** Self contained breathing apparatus & protective clothing must be worn in case of fire,

**Fire Fighting Procedure:** The wearing of self-contained breathing apparatus is recommended.

**6. Accidental release measure
Personal precautions:**See Section 8
**Environmental precautions:** In the unlikely event of cones being released from cases, contain to avoid release into watercourses. If released into watercourse, immediately notify the Environmental Agency or other appropriate regulatory body.

**7. Handling and storage
Usage precautions:**Avoid over handling which my lead to dust formation
**Storage precautions:** Keep in original wrapping and or containers until required. KEEP DRY

**8. Exposure controls/personal protection
Protective equipment:**As the borax cones are individually wrapped by Paper or Plastic Bag, it is no necessary to handle until use
**Engineering measure:**Not applicable
**Respiratory equipment:**No specific recommendation made
**Hand protection:**Use suitable gloves if extensive use is required
**Eye protection:** Not applicable
**Hygiene measures:** Wash hands after use and before eating, smoking and using the toilet. When using do not eat or smoke.

**9. Physical and chemical properties
Appearance:** Solid cone wrapped in a paper cover
**Colour:** White Crystalline Cone
**Odour:**Odourless
**Weight:** 92 Grm. approx

**Specific Gravity @ 15.5’C**: 1.25-1.35

**Total Alkakinity (As NaOH) :** 5-6%

**pH@1% in distilled Water:** 9.8 - 10

**Boiling Point**: >480’C

**Miscibility With Water** : Complete to form a true solution

**Miscibility With Solvents:** Not Miscible

**10. Stability and reactivity
Stability:**Stable under normal temperature conditions and recommended use
**Conditions to avoid:** Avoid excessive heat for prolonged periods of time
**Materials to avoid:**Strong reducing agents. Alkali metals
**Hazardous decomposition products:** Oxides of Carbon

**11. Toxicological information
Toxic does 1 - LD50:**4500 – 5000 mg/kg (oral rat)
**Inhalation:**Not applicable
**Ingestion:**May cause internal injury
**Skin contact:** Continual exposure may irritate skin
**Eye contact:** Not applicable
**Specific effects:**Contains a substance/group of substances with possible risk of harm to unborn child and with a possible risk of impaired fertility, however consuming the solid material and or parts thereof is unlikely.

**12. Ecological information
Ecotoxicity:**The product components are not classified as environmentally hazardous, however, this does not exclude the possibility of large or frequent spills can have a harmful or damaging effect on the environment.
**Mobility:**This product is involatile & soluble in water.

**Degradability:** This product is not readily biodegradable.

**Bioaccumulation:** This product, as supplied is not expected to bio accumulate.

**Ecotoxity**: This product, as supplied, is not expected to be hazardous to aquatic species.

**13. Disposal considerations
General information:**Material if discarded is not expected to be a characteristic hazardous waste. Disposal should be in accordance with local regulations

**Container Disposal** : Do not incinerate closed containers.
**Disposal methods:**Disposal of waste and residues in accordance.

**14. Transport information
General:**This product is **not covered** by International regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)

**Packaging Group**: N.A.

**UK “PG” Regulations** : This product is not classified as being hazardous for transportation.

**Tariff Code** : 3403 1999 00

**IMDG:** N.A

**ICAO/IATA Class**: Not Classified

**15. Regulatory information
Directives:** Environmental Protection Act 1990, Control of Hazardous Substances to Health Regulations 1988 Chemicals (Hazard Information and Packaging) Regulations.

**LABEL NAME** : Borax Jewellers Cone

**RISK PHRASES**: No risk or safety phrases stipulated

 **16. Other information
Issued by:** Mr. MAZHAR GHADIALLY
**Revision date:** 28TH JAN,2021

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Manufacturers safety data sheets. National and international regulations.