

DATA SHEET



Producers of Solvents,
Polishes & Specialised Cleaners

CURATOR BLUING SALTS

Product Description

A Crystallized compound, used to facilitate the bluing of steel.

Directions

Place crystals in a strong container that will stand frequent heating to high temperatures. Heat up the crystals, which will melt and form a liquid. Wire up the cleaned steel hand or other steel component with binding wire, so that it can be manoeuvred in and out of the liquid.

Immerse the wired hand into the liquid, lifting it out from time to time to allow oxidation to take place. Please note that the bluing salts themselves do not blue the hands, but merely keep the hands at an even temperature, so that all thicknesses of steel blue at the same time.

When the hand has reached the desired shade of blue, quench immediately in cold water. Do NOT on any account replace the hand back into the bluing liquid after it has been cooled in the water, this is because the water will make the bluing salts spit furiously, making it very dangerous.

The liquid will set solid when cold, and this is reusable. Make sure that the liquid cannot be knocked over, as any accident would cause very serious burns.

HEALTH & SAFETY

U.N. No 1486

R8 Contact with combustible materials may cause fire.

R22 Harmful if swallowed

R36/37/38 Irritating to eyes respiratory system and skin.

S17 Keep away from combustible material.

S24/25 Avoid contact with skin and eyes.

U N PACKAGING GROUP III

PRODUCT SAFETY DATA SHEET

(1) IDENTIFICATION

Product Name : Curator Bluing Salts
Supplier : Horological Solvents, Proctor Street,
Bury, Lancs, BL8 2NY
Tel : 0161 764 2741

(2) COMPOSITION / INFORMATION ON INGREDIENTS

Potassium Nitrate >99%
CAS No: 7757-79-1
EINECS No; 231-818-8

(3) HAZARDS IDENTIFICATION

EYE CONTACT : Will cause irritation.
SKIN CONTACT : Contact with skin may produce irritation.
INHALATION : May cause irritation of respiratory system if dust is inhaled.
INGESTION : May cause severe irritation and be harmful.

(4) FIRST AID MEASURES

EYE CONTACT : Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance at once.
SKIN CONTACT : Wash skin with soap and water. If irritation persists, get medical aid.
INHALATION : Remove patient to fresh air and seek medical attention immediately.
INGESTION : Do not induce vomiting. If patient does vomit, turn into recovery position. Give copious amounts of water to drink and seek medical aid.

(5) FIRE FIGHTING MEASURES

Contaminated combustible material, e.g. clothing, ignites more readily and burns fiercely. May react with combustible substances creating a fire or explosion hazard. If involved in a fire, toxic fumes may be evolved.
Self contained breathing apparatus should be worn.

(6) ACCIDENTAL RELEASE

Do not inhale dust.
Sweep or vacuum up.
May be damped down to avoid raising dust clouds.
Deposit in a safe place, in a clearly marked container.

(7) HANDLING & STORAGE

Store away from combustible materials in accordance with HSE guidance note CS17.
Keep in containers tightly closed and in a dry area. Ensure good ventilation if dust may be generated. Do not inhale dust.

(8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Standard (OES) EH 40/92

This material is not listed as a specific chemical. It is suggested that it is controlled as a dust hazard.

10.0 mg/m³ (total inhalable dust) (8 hour TWA)

5.0 mg/m³ (respirable dust) (8 hour TWA)

Where possible the airborne concentration should be kept as low as possible by the use of appropriate ventilation and collection measures. If this is not practicable then personal protection should be worn.

RESPIRATORY PROTECTION : Wear an approved dust mask to BS2091 Type B.

HAND PROTECTION : Wear plastic or rubber gloves.

EYE PROTECTION: Wear safety goggles to BS2092.

(9) PHYSICAL & CHEMICAL PROPERTIES

Appearance : White granular powder.

Specific Gravity : 2.11

Melting Point : 334°C.

Boiling Point : Decomposes at 400°C.

Vapour Pressure : N/A

Solubility in Water : Soluble.

(10) STABILITY AND REACTIVITY

Stable under normal conditions. Can explode if heated with certain metals, metal sulphides and phosphides. If heated to decomposition in a fire, very toxic fumes may be evolved.

(11) TOXICOLOGICAL INFORMATION

The dust is irritating to the respiratory system skin and eyes. Harmful if swallowed in large quantities, causing gastric and renal irritation. A fatal dose is suggested to be 15-30 g. Chronic exposure may cause anaemia, nephritis and methemoglobinemia.

(12) ECOLOGICAL INFORMATION

This material is regarded as a possible toxic hazard. It is biodegradable and may present a hazard to aquatic life and animals.

(13) DISPOSAL

Waste material should be swept or vacuumed up, placed in a suitable labelled container, in a safe dry place and disposed of in accordance with the Control of Pollution Act 1974 and Special Waste Regulations 1980.

(14) TRANSPORT INFORMATION

UN Number 1486 for transport.

(15) REGULATORY INFORMATION

Symbol : Oxidizing substance.

U N HAZ Class : 5.1

(16) OTHER INFORMATION

It is for users to satisfy themselves of the suitability of this product for their own applications. This information is believed to be accurate at the time of printing and is given in good faith. Date of issue :

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