

POTASSIUM TELLURITE, EXTRA PURE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: POTASSIUM TELLURITE, EXTRA PURE

Product Code: 408

CAS#: 7790-58-1

Synonym: Not available

Chemical Name: Not available

Chemical Formula: K_2TeO_3

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Substances:

Synonyms: Not available

Formula: K_2TeO_3

Molecular Weight: 253.81gm/mol

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 :

Acute toxicity, Oral (Category 3),

H301 Skin irritation (Category 2),

H315 Eye irritation (Category 2),

H319 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Other hazards: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

SECTION 4: FIRST AID MEASURES

Description of first aid measures: General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Flush eyes with water as a precaution

If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.

Most important symptoms and effects, both acute and delay: Not available

Indication of any immediate medical attention and special treatment needed Not available.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Potassium oxides, Tellurium oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: Prevent fire-extinguishing water from contaminating surface water or the ground water system.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities: Store in cool place Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C

Specific end use(s) A part from the uses: no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls:

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment:

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|----------------------------|
| Physical state and appearance Form | : White crystalline powder |
| Odour | : Not available |
| Taste | : Not available |
| Molecular Weight | : Not available |
| Colour | : Not available |
| pH | : Not available |
| Boiling Point | : Not available |
| Melting Point | : 460 – 470°C |
| Critical Temperature | : Not available |
| Specific Density | : Not Available |
| Vapor Pressure | : Not Available |
| Vapor Density | : Not available |
| Volatility | : Not Available |
| Odor Threshold | : Not Available |



| | |
|------------------------|-----------------|
| Water/Oil Dist. Coeff. | : Not Available |
| Ionicity (in Water) | : Not Available |
| Dispersion Properties | : Not Available |
| Solubility | : Not Available |

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity: Not available

Chemical stability: Stable under recommended storage conditions

Possibility of hazardous reactions: Not available

Conditions to avoid: Not available

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: Other decomposition products: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects: Not available

Acute toxicity:

Oral - 100,1 mg/kg (Expert judgment)

LD50 Oral - 100 mg/kg

Inhalation: Not available

Dermal: Not available

Skin corrosion/irritation: Not available

Serious eye damage/eye irritation: Not available

Respiratory or skin sensitization: Not available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: Not available

Specific target organ toxicity: Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Not available

Persistence and degradability: Not available

Bio accumulative potential: Not available

Mobility in soil: Not available

Results of PBT and vPvB assessment: PBT/vPvB assessment: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

Other adverse effects: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

UN number:

ADR/RID: 3284

IMDG: 3284

IATA: 3284

UN proper shipping name

ADR/RID: Tellurium compound, n.o.s. (telluric acid dipotassium salt, hydrate)



IMDG: Tellurium compound, n.o.s. (telluric acid dipotassium salt, hydrate)

IATA: Tellurium compound, n.o.s. (telluric acid dipotassium salt, hydrate)

Transport hazard class (es):

ADR/RID: 6.1

IMDG: 6.1

IATA: 6.1

Packaging group:

ADR/RID: III

IMDG: III

IATA: III

Environmental hazards:

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

SECTION 15: OTHER REGULATORY INFORMATION

Regulatory information This safety datasheet complies with the requirements of Regulation (EC) No.1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

Chemical Safety Assessment For this product a chemical safety assessment was not carried out

SECTION 16: OTHER INFORMATION

References: Full Text of H & R Statements:

H301 Toxic if swallowed.

H315 Causes skin irritation.

H319 Toxic if swallowed.

H335 Causes skin irritation.

Special Considerations: Not available

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.

