

SODIUM NITRATE, EXTRA PURE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: SODIUM NITRATE, EXTRA PURE

Product Code: 450

CAS#: 7631-99-4

Chemical Formula: NaNO_3

Molecular Formula: 84.99

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Name: SODIUM NITRATE, EXTRA PURE

Chemical Formula: NaNO_3

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Oxidizing solids (Category 3), H272

Other hazards - none.

SECTION 4: FIRST AID MEASURES

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

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

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

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

SECTION 5: FIRE FIGHTING MEASURES

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

Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions and emergency procedures: Avoid dust formation. Avoid breathing vapours, mist or gas.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions: Keep away from heat. Keep away from sources of ignition.

Storage: Store in cool, dry place in closed containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION



Eye/face protection: 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.

Respiratory protection: Respiratory protection is not required. If protection from nuisance levels of dusts are desired, use type N95 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).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	: Not available
Odour	: Not available
Taste	: Not available
Molecular Weight	: Not available
Colour	: Not available
pH	: Not available
Boiling Point	: Not available
Melting Point	: Not available
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

Stability: Stable under recommended storage conditions.

Instability Temperature: Not available.

Conditions of Instability: Excess heat.

Incompatibility with various substances: Strong oxidizing agents

Special Remarks on Reactivity: Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 Oral - rat - 3.750 mg/kg

Skin corrosion/irritation: Not available

Serious eye damage/eye irritation: Not available

Respiratory or skin sensitization: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Specific target organ toxicity - single exposure: Not available

Specific target organ toxicity - repeated exposure: Not available

Aspiration hazard: Not available



SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 22,5 mg/l - 96 h

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: 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: 1486

IMDG: 1486

IATA: 1486

UN proper shipping name

ADR/RID: SODIUM NITRATE, EXTRA PURE

IMDG: SODIUM NITRATE, EXTRA PURE

IATA: SODIUM NITRATE, EXTRA PURE

Transport hazard class(es):

ADR/RID: 5.1

IMDG: 5.1

IATA: 5.1

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

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

Not available.

SECTION 16: OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

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