

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)
Classifications according to Regulation (EC) No 1272/2008.
Printdate 20 Jan 2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product name:

EthylisopropylNitrosamine

1.1. Catalog No.:

684570

1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical
uses: R&D

1.3. Uses advised against:

HPC Standards GmbH
Am Wieseneck 7

04451 Cunnersdorf
Deutschland

Tel. +49 34291 3372-36
Fax. +49 34291 3372-39
contact@hpc-standards.com

1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36
This number is only available during office hours.

2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008
Acute toxicity, oral(Category 3), H301
Hazardous to the aquatic environment, chronic hazard(Category 3), H412
Carcinogenicity(Category 1B), H350
Flammable liquids(Category 4), H227
For the full text of the H-Statements mentioned in this Section, see Section 2.2.

2.2. Label elements

2.2.1. Pictogram



2.2.2.

Labelling according to Regulation (EC) No 1272/2008
Signal word: Danger
Hazard statement(s):

H301 Toxic if swallowed
H412 Harmful to aquatic life with long lasting effects
H350 May cause cancer
H227 Combustible liquid
Precautionary statements:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. -- No smoking.
P264 Wash hands thoroughly after handling. Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P310 Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
Special note: Excessive pressure may build up in a container. Open container with caution to prevent container damage and accidental release.

2.3 Other hazards
N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients according to Regulation (EC) No 1272/2008
Component: EthylisopropylNitrosamine
Classification:
Acute toxicity, oral (Category 3), H301
Hazardous to the aquatic environment, chronic hazard (Category 3), H412
Carcinogenicity (Category 1B), H350
Flammable liquids (Category 4), H227
Concentration, %: N/A
For the full text of the H-Statements mentioned in this Section, see Section 2.2.

3.1.1. Formula

C₅H₁₂N₂O

3.1.2. Molecular Weight (g/mol)

116.16

3.1.3. CAS-No.

16339-04-1

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

Skin contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Eye contact: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Sand, carbon dioxide, dry chemical powder, or appropriate foam.

5.2 Specific hazards arising from the substance or mixture

May emit toxic fumes under fire conditions including Carbon monoxide, Carbon dioxide, Nitrogen oxides. Danger of containers bursting upon heating.

5.3 Special protective equipment and precautions for firefighters

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: remove movable containers if safe to do so.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 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.

6.3 Methods and materials for containment and cleaning up

Wipe dry, place a rag in a bag and hold for waste disposal. Avoid fumes inhaling. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling is performed in a well ventilated place. Wear suitable protective equipment. Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Wash hands and face thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and upright. Avoid overheating. Store in a dry and well-ventilated place at +4°C.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

N/A

8.2 Appropriate engineering controls

Install a closed system or local exhaust so that workers should not be exposed directly.

Install safety shower and eye bath.

Wash hands thoroughly after handling.

8.3 Personal protective equipment

Respiratory Protection: Government approved respirator.

Skin Protection: Compatible chemical-resistant 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. Wash and dry hands.

Eye/Face Protection: Government approved eye/face protection equipment.

Body protection: Protective clothing. Protective boots, if the situation requires.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property Value At Temperature or Pressure

Appearance (20°C)

Physical state: liquid

Odour: N/A

Colour: yellow

pH: N/A

Melting point/freezing point (°C): N/A

Initial boiling point and boiling point range (°C): 76-78 at pressure 14 mm Hg

Flash Point (°C): N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density (g/ml): N/A

Partition coefficient: n-octanol/water: 0.749

Auto-ignition temperature (°C): N/A

Viscosity: N/A

Flammability: N/A

Explosive properties: N/A

Oxidizing properties: N/A

Water solubility: N/A

Evaporation rate: N/A

Refractive index: N/A

10. STABILITY AND REACTIVITY

- 10.1 Chemical stability
Stable under specified storage temperature.
- 10.2 Possibility of hazardous reactions
No data available
- 10.3 Conditions to avoid
Incompatible reagents. Excessive heat. Direct sunlight.
- 10.4 Incompatible materials
Strong oxidizing agents.
- 10.5 Hazardous decomposition products
Carbon monoxide, Carbon dioxide, Nitrogen oxides

11. TOXICOLOGICAL INFORMATION

LD50 oral (rat) - 1100 mg/kg

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Substance disposal: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations
Contaminated packaging disposal: Dispose of as unused product

14. TRANSPORT INFORMATION

- 14.1 UN number
ADR/RID: 2810 IMDG: 2810 IATA: 2810
- 14.2 UN proper shipping name
ADR/RID: TOXIC LIQUID, ORGANIC, N.O.S. (EthylisopropylNitrosamine)
IMDG: TOXIC LIQUID, ORGANIC, N.O.S. (EthylisopropylNitrosamine)
IATA: Toxic liquid, organic, n.o.s. (EthylisopropylNitrosamine)
- 14.3 Transport hazard class(es)
ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1
- 14.4 Packaging group
ADR/RID: III IMDG: III IATA: III

14.5 Environmental hazards
ADR/RID: no IMDG: no IATA: no
14.6 Special precautions for user
No data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulations (EC) No. 1907/2006 and No. 1272/2008.

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

No data available

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!