

GHTECH Material Safety Data Sheet

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

n-Hexane

Manufacturer/supplier identification

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P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. Handling and storage**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls/personal protection**Appropriate engineering controls**

General industrial hygiene practice.

Personal protective equipment**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. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands and good laboratory practices. Wasy p

Explosion limits

lower: 1.0%

upper: 8.1%

Density : 0.66 g/cm³

Bulk density: not available

Solubility in

water (20 °C) : insoluble in water

diluted acids (20 °C) : not available

Thermal decomposition: not available

10. Stability and reactivity**Chemical stability**

The product is chemically stable under standard ambient conditions.

Conditions to avoid

Heat, flames and sparks.

Materials to avoid

Oxidizing agents

Hazardous decomposition products

Risk of ignition or formation of inflammable gases or vapours with: Peroxides.

11. Toxicological information**Acute toxicity****Acute toxicity**

LD50 Oral - Rat - 16.000 mg/kg

LC50 Inhalation - Rat - 4 h - 172 mg/l

LD50 Dermal - Rabbit - male - > 2,000 mg/kg

Skin corrosion/irritation

no data available

Serious eye irritant
Tn re WBT/F1 100.00000912 0 612 792 r13(ai)6(l)5(abl)6(e)nBT/eBTWge/148.y 10.7 10.56 0 0 1 161 0 0 1 192.8

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) 2.1 mg/l - 48 h

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. Disposal considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. Transport information

ADR/RID

UN-Number: 1208 Class: 3 Packing group: II
Proper shipping name: HEXANES (N-HEXANE)

IMDG

UN-Number: 1208 Class: 3 Packing group: II
Proper shipping name: HEXANES (N-HEXANE)
Marine pollutant: yes

IATA

UN-Number: 1208 Class: 3 Packing group: II
Proper shipping name: Hexanes (n-Hexane)

15. Regulatory information

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

16. Other information

General update.

Regional representation:

This information is given on the authorised Safety Data Sheet for your country.