

Otto Chemie Pvt Ltd

An ISO 9001 : 2015 & GMP Certified Company
Office : No 603, 6th Floor, Tardeo AC Market, 87, Tardeo Road,
Tardeo, Mumbai, Maharashtra 400034, India (BHARAT)
Tel : + 91 98200 41841 Email : info@ottokemi.com Web : www.ottokemi.com

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: Product identifiers

Product Name : Hexyl nitrite, 95%
Product Code : H 7002
CAS No: 638-51-7

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification
OTTO CHEMIE PVT LTD
No 603, 6th Floor, Tardeo AC Market, 87, Tardeo Road,
Tardeo, Mumbai, Maharashtra 400034, India (BHARAT)

1.4. Emergency telephone number

Phone no. : + 91 98200 41841 (10 : 00 am – 06 : 00 pm)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Flammable liquids	Category 2
Acute toxicity (Oral)	Category 4
Acute toxicity (Dermal)	Category 4
Acute toxicity (Inhalation)	Category 4

2.2 Label elements

Pictograms or hazard symbols

Signal word

Hazard statements

H302+H312+H332-

Precautionary statements

Danger

H225-Highly flammable liquid and vapour.

Harmful if swallowed, in contact with skin or if inhaled.

P210-Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261-Avoid breathing mist, vapours or spray.

P280-Wear protective gloves, protective clothing, eye protection.

P302+P352+P312+P362+P364-IF ON SKIN: Wash with plenty of soap and water. Call a POISONCENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.

P304+P340+P312-IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

P370+P378-In case of fire: Use dry chemical or dry sand to extinguish.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT

: Not applicable

vPvB

: Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances

Components

: Hexyl Nitrite

Percent:

>95.0%(GC)

CAS RN

: 638-51-7

Chemical Formula

: C6H13NO2 H1066

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISONCENTER or doctor/physician if you feel unwell.

Skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

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Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media: Water (It may scatter and spread fire.)

5.2 Special hazards arising from the substance or mixture

Explosion risk in case of fire. Fight fire remotely due to the risk of explosion.

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx)

5.3 Advice 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: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so. When extinguishing fire, be sure to wear personal protective equipment

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from and upwind of spill/leak.

Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc

6.2 Environmental precautions Prevent product from entering drains

6.3 Methods and materials for containment and cleaning up

Absorb spilled material in dry sand or inert absorbent before recovering it into an airtight container. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Remove all sources of

ignition. Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and explosion-proof equipment.

6.4 Reference to other sections For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Handling is performed in a well ventilated place. Wear suitable protective equipment. Be careful not to cause leakage, overflow, or dispersion. Steam should not be generated unnecessarily. Keep away from heat/sparks/open flame/hot surfaces. -No smoking. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Avoid shock and friction. Wash hands and face before breaks and immediately after handling the product. Use a closed system if possible. Use ventilation, local exhaust if vapour or aerosol will be generated. Avoid contact with skin, eyes and clothing. May develop pressure. Open carefully.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in an explosion-proof refrigerator. Store under inert gas.

Be sure not to give the container unexpected impacts, such as falling down or falling off. Store away from incompatible materials such as oxidizing agents.

Heat-sensitive, Light-sensitive, Air-sensitive

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters No data available

8.2 Exposure controls Install a closed system or local exhaust. Also install safety shower and eye bath.

Respiratory protection: Vapor respirator. Follow local and national regulations.

Hand protection: Protective gloves.

Eye protection: Safety glasses. A face-shield, if the situation requires.

Skin and body protection: Protective clothing. Protective boots, if the situation requires.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
Physical state (20°C)	Liquid
Form	Clear
Colour:	Pale yellow - Yellow
Odour:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Boiling point/range	52°C /5.9kPa
Flash point:	No data available
Evaporation rate(Butyl Acetate=1)	No data available
Flammability(solid, gas)	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Vapour pressure	No data available.
Vapour density	No data available
Relative density	0.88
Solubility(ies)	
[Water] No data available	
[Other solvents]	No data available
Partition coefficient:	No data available
n-octanol/water:	
Autoignition temperature	No data available
Decomposition temperature	No data available
Dynamic Viscosity	No data available
Kinematic viscosity	No data available
9.2 Other safety information	No data available

SECTION 10: Stability and reactivity

- 10.1 Reactivity No data available
- 10.2 Chemical stability Stable under proper conditions.
- 10.3 Possibility of hazardous reactions May explosively decompose on heating, shock, friction, etc.
- 10.4 Conditions to avoid Heat, Spark, Open flame, Static discharge, Shock, Friction
- 10.5 Incompatible materials Oxidizing agents, Strong acids, Reducing agents
- 10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx)

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Toxicity to Animals:
Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Rabbit: 2000mg/kg
Inhalation LC50 Rat: > 50mg/L.
- Chronic Effects on Humans: CARCINOGENIC EFFECTS: Classified None. by NTP, None. by OSHA, None. by NIOSH.
- Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of inhalation (lung irritant).
- Special Remarks on Toxicity to Animals: Not available.
- Special Remarks on Chronic Effects on Humans: Not available.
- Special Remarks on other Toxic Effects on Humans: Not available.

SECTION 12: Ecological information

- 12.1 Toxicity
- Fish: No data available
- Crustacea: No data available
- Algae: No data available
- 12.2 Persistence and degradability No data available
- 12.3 Bioaccumulative potential No data available
- 12.4 Mobility in soil
- Log Pow: No data available
- Soil adsorption (Koc): No data available
- Henry's Law (PaM 3/mol): No data available
- 12.5 Results of PBT and vPvB assessment

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PBT: Not applicable
vPvB: Not applicable
12.6 Other adverse effects No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur. Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: Transport information

14.1 UN number 1993

14.2 UN proper shipping name

ADR/RID

IMDG/IMO

ICAO/IATA

14.3 Transport hazard class(es)

ADR/RID 3:

IMDG/IMO 3:

ICAO/IATA 3:

14.4 Packaging group

ADR/RID

IMDG/IMO

ICAO/IATA

14.5 Environmental hazards

Marine pollutant –

14.6 Special precautions for user

Flammable liquid, n.o.s

Flammable liquid, n.o.s

Flammable liquid, n.o.s

Flammable liquid

Flammable liquid

Flammable liquid

II

II

II

No data available

SECTION 15: Regulatory information

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

Substance of Very High Concern (SVHC) according to the

REACH Regulations (EC) No.1907/2006

Not listed

15.2 Chemical safety assessment A chemical safety assessment has not been carried out.

Section 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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