

MATERIAL SAFETY DATA SHEET

N-VALERIC ACID **MSDS CAS: - 109-52-4**

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: N-VALERIC ACID

CAS#: 109-52-4

Synonym: Not available.

Chemical Name: Not available.

Chemical Formula: Not available.

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Substance / Preparation: N-VALERIC ACID
CAS No: 109-52-4
Substance.

Contains no other components or impurities which will influence the classification of the product.

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45:

Classification: C; R34
R52-53

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP) :

Health hazards: Skin corrosion - Category 1B - Danger (CLP: Skin Corr. 1B) H314

Environmental hazards: Hazardous to the aquatic environment - Chronic hazard - Category 3 (CLP : Aquatic Chronic 3) H412

Label elements

Labelling EC 67/548 or EC 1999/45:

Symbol(s): C: Corrosive

R Phrase(s): R34: Causes burns.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s): S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36: Wear suitable protective clothing.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

Labelling Regulation EC 1272/2008 (CLP):

Signal words: Danger

Hazard statements: H314: Causes severe skin burns and eye damage.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention: P280: Wear protective gloves, protective clothing, eye protection, face protection. P260: Do not breathe dust, fume, gas, mist, vapours, spray. P273: Avoid release to the environment. P264: Wash thoroughly after handling.

Response: P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. P363: Wash contaminated clothing before reuse.

Storage: P405: Store locked up.

Section 3: Hazards Identification (Continued)

Disposal considerations: P501: Dispose of this material and its container to hazardous or special waste Collection point, in accordance with local, regional, national and/or international regulation.

Other hazards:

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

Description of first aid measures

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

Skin contact: Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor.

Eye contact: Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

Ingestion: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Causes severe skin burns and eye damage.

Indication of any immediate medical attention and special treatment needed

General information:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Surrounding fires: Use water spray or fog for cooling exposed containers.

Section 5: Fire and Explosion Data (Continued)

Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions, hazardous fumes will be present. Thermal decomposition generates: Corrosive vapours.

Advice for fire-fighters

Protection against fire: Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For emergency responders: Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel: Evacuate unnecessary personnel.

Environmental precautions

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up

Clean up methods: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

Reference to other sections

See section 8. Exposure controls/personal protection

Section 7: Handling and Storage

Precautions for safe handling

Handling: Do not breathe dust, fume, gas, mist, vapours, spray. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

Section 7: Handling and Storage (Continued)

Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Storage regulation: Comply with applicable regulations.

Storage - away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Specific end use(s): None.

Section 8: Exposure Controls/Personal Protection

Exposure controls

Personal protection: Avoid all unnecessary exposure.

Respiratory protection: Wear approved mask.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Others: When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits: No data available.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state at 20 °C:	Liquid.
Colour:	Clear Colorless
Odour:	Pungent Odour
Odour threshold:	No data available.
pH value:	No data available.
Melting point [°C]:	-20 - -18 °C
Flash point [°C]:	96 °C
Boiling point [°C]:	110 - 111 °C
Initial boiling point [°C]:	110°C
Final boiling point [°C]:	111 °C
Vapour pressure [20°C]:	0.20 hPa at 20 °C
Vapour pressure mm/Hg:	N/A

Section 9: Physical and Chemical Properties (Continued)

Vapour density:	3,53
Density [g/cm ³]:	0,939
Relative density, gas (air=1):	N/A
Relative density, liquid (water=1):	N/A
Solubility in water [% weight]:	40 g/l at 20 °C
Solubility in water:	N/A
Log Pow octanol / water at 20°C:	No data available.
Solubility:	2.7
Viscosity at 40°C [mm ² /s]:	N/A

Other information

Explosive properties:	N/A
Explosion limits - upper [%]:	7, 60%
Explosion limits - lower [%]:	1, 60%
Oxidising properties:	No data available.

Section 10: Stability and Reactivity Data

Reactivity: Not established.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Not established.

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible Materials to avoid: Strong acids. Strong bases.

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide. Thermal decomposition generates: Corrosive vapours.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity:

Inhalation:	Based on available data, the classification criteria are not met.
Dermal:	Based on available data, the classification criteria are not met.
Ingestion:	Based on available data, the classification criteria are not met.
Corrosion:	Causes severe skin burns and eye damage.
Irritation:	Based on available data, the classification criteria are not met.

Section 11: Toxicological Information (Continued)

Sensitization:	Based on available data, the classification criteria are not met.
Mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Toxic for reproduction:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity information: Harmful to aquatic life with long lasting effects.

Persistence - degradability: May cause long-term adverse effects in the environment.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Environmental precautions: Avoid release to the environment.

Section 13: Disposal Considerations

Waste Disposal:

Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

UN N°: 3265

H.I. nr: 80

ADR - Class: 8

Section 14: Transport Information (Continued)

Sea transport (IMDG) [English only]

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

UN N°: 3265

IMO-IMDG - Class or division: 8: Corrosive substance.

IMO-IMDG - Packing group: III

Air transport (ICAO-IATA) [English only]

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

UN N°: 3265

IATA - Class or division: 8: Corrosive substance.

IATA - Packing group: III

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV: The components of this product are not subject to authorization.

Chemical Safety Assessment: It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

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