SAFETY DATA SHEET

NEO PENTANOIC ACID (PIVALIC ACID)

CAS No.: 75-98-9

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Neo Pentanoic Acid (Pivalic Acid)
CAS Number	75-98-9
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word Danger

HAZARD CLASSIFICATION

- Acute Toxicity - Oral (Category 4)
- Acute Toxicity - Dermal (Category 4)
- Skin Corrosion (Category 1B)
- Serious Eye Damage (Category 1)

HAZARD STATEMENTS

- H302 - Harmful if swallowed
- H312 - Harmful in contact with skin
- H314 - Causes severe skin burns and eye damage

PRECAUTIONARY STATEMENTS

- P260 - Do not breathe dust/fume/vapours
- P264 - Wash exposed skin thoroughly after handling
- P280 - Wear protective gloves/eye protection/face protection
- P301+P330+P331 - If swallowed: rinse mouth; do NOT induce vomiting
- P303+P361+P353 - If on skin: remove contaminated clothing and rinse skin with water
- P305+P351+P338 - If in eyes: rinse cautiously with water for several minutes; remove contact lenses if present
- P310 - Immediately call a poison center/doctor
- P321 - Specific treatment (see label)
- P405 - Store locked up
- P501 - Dispose of contents/container per local regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Neo Pentanoic Acid (Pivalic Acid)
CAS Number	75-98-9
Physical State	Solid (melts near room temperature; may be supplied as a solid or as a warmed liquid)
Appearance / Odour	White crystalline solid or colorless liquid above ~35C, with a pungent, rancid/goat-like odor.

4. FIRST-AID MEASURES

Eye Contact	Rinse immediately and continuously with plenty of water for at least 15 minutes, removing contact lenses if present, and obtain immediate medical attention as this is a corrosive material.
Skin Contact	Remove contaminated clothing immediately and rinse skin thoroughly with plenty of water for at least 15 minutes; seek medical attention for burns.
Inhalation	Remove to fresh air, keep at rest, and seek medical attention if breathing difficulty or irritation occurs.
Ingestion	Do not induce vomiting; rinse mouth with water and obtain immediate medical attention due to corrosive burns risk.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, carbon dioxide, foam, or water spray.
Unsuitable Extinguishing Media	Avoid a high-pressure straight water jet, which may spread molten material and fire.
Special Hazards	Molten material can flow and spread fire; heated material can form explosive vapour-air mixtures; combustion produces irritating/corrosive fumes (CO, CO2).

6. ACCIDENTAL RELEASE MEASURES

Measures	Ventilate the area, avoid contact, sweep up solid or absorb liquid with inert absorbent, neutralize residues with soda ash or lime if appropriate, and wear full corrosion-resistant PPE; prevent entry into drains or waterways.

7. HANDLING AND STORAGE

Handling Precautions	Avoid dust/mist formation and contact with skin and eyes, use only with adequate ventilation, and keep away from heat, sparks and open flame.
Storage Conditions	Store in a cool, dry, well-ventilated area in corrosion-resistant, tightly closed containers, away from oxidizers and strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No specific occupational exposure limit is established; treat per general corrosive organic acid guidance and wear chemical splash goggles or a face shield, acid-resistant gloves (e.g., neoprene, butyl), and protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid (melts near room temperature; may be supplied as a solid or as a warmed liquid)
Appearance / Odour	White crystalline solid or colorless liquid above ~35C, with a pungent, rancid/goat-like odor.
Boiling Point	163-164
Melting Point	35-37
Flash Point	64-68 (closed cup)
Density / Specific Gravity	0.905 g/cm3 (as liquid, above melting point)
Water Solubility	Slightly soluble, approximately 2.5-2.8 g/100 mL at 20C
pH Value	~2.5-3 (saturated aqueous solution); pKa 5.03

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and use; combustible.
Incompatible Materials	Strong oxidizing agents, strong bases, and amines.
Hazardous Decomposition	Carbon monoxide, carbon dioxide, and irritating/corrosive fumes on combustion.

11. TOXICOLOGICAL INFORMATION

Summary	Corrosive, causing severe skin burns and eye damage on contact; oral acute toxicity is moderate (rat LD50 in the low thousands of mg/kg range); available data show no significant evidence of mutagenicity or carcinogenicity.

12. ECOLOGICAL INFORMATION

Summary	Moderately water soluble and expected to biodegrade; low bioaccumulation potential; not broadly classified as hazardous to the aquatic environment under GHS, though local discharge limits should be respected given its acidity.

13. DISPOSAL CONSIDERATIONS

Disposal Method	Neutralize where feasible and dispose of as hazardous/corrosive chemical waste through a licensed waste contractor per local regulations.

14. TRANSPORT INFORMATION

UN Number	UN3261 (Corrosive solid, acidic, organic, n.o.s.) or UN3265 (Corrosive liquid, acidic, organic, n.o.s.), depending on physical state at time of shipment
Transport Hazard Class	8
Packing Group	II

15. REGULATORY INFORMATION

Notes	Listed on the TSCA (US) and REACH (EU) inventories; used as a chemical intermediate for peroxides, agrochemicals, pharmaceuticals, and coating resins; confirm the correct UN entry/physical state with the carrier before shipment.

16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

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