



## Material Safety Data Sheet

### NEODECANOYL CHLORIDE

#### **Section 1 – Product and Company Information**

Substance : 7, 7- Dimethyl Octanoyl Chloride  
Trade Name : Neodecanoyl Chloride  
Chemical Family : Acid Chlorides  
Company : Shiva Pharmachem Pvt. Ltd.  
Plot No. 588,  
Village Luna – 391440  
Taluka Padra,  
District: Vadodara, Gujarat,  
India.  
Phone No. : + 91 2662 – 221021 / 224360  
Fax No. : + 91 2662 223314

#### **Section 2 – Composition / Information on Ingredients**

Product Name	CAS No.	EC No.	Mol. Formula	Mol. Weight
Neo Decanoyl Chloride	40292-82-8	254-875-0	C <sub>10</sub> H <sub>19</sub> ClO	190.7 g/mol

#### **Section 3 – Hazards Identification**

##### **EMERGENCY OVERVIEW**

Appearance: Colorless liquid.

##### **Danger**

Corrosive. Moisture sensitive.

##### **Potential Health Effects**

Acute Overexposure Effects

**Eye:** Contact with eye causes irritation.

**Skin:** Contact with skin may causes irritation.

**Ingestion:** Causes gastrointestinal tract burns.

**Inhalation:** highly toxic by inhalation.

**Chronic Overexposure Effects:** There are no known chronic effects associated with this material.

#### **Section 4 – First Aid Measures**

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** If swallowed, dilute with water. DO NOT INDUCE VOMITING. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get medical aid immediately.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. Get medical aid immediately.

**Notes to Physician:** Treat symptomatically and supportively.



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### Section 5 – Fire Fighting Measures

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Typical Low/High Deg. Method

Flash Point : 92 C DIN 51 758

Auto ignition : 315 C DIN 51794

Extinguishing Media: Dry chemical, Carbon Dioxide, Alcohol-Resistant Foam, or water Spray. (Do not get water inside of containers).

Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards: See below.

Product heats up excessively in contact with water, alkalis, amines or product containing amines.

Hydrogen Chloride can be given off in a fire.

#### **NFPA Rating:**

Health: Fire: Reactivity: Special:

3 2 2 NA

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### Section 6 – Accidental Release Measures

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#### **General:**

Spills should be contained, solidified and placed in suitable containers for disposal in a RCRA licensed facility. This material is RCRA hazardous due to its properties

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### Section 7 - Handling and Storage

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**Handling:** Avoid contact with eyes, skin, and clothing. Do not breathe dust, vapor, mist, or gas. Use only in a chemical fume hood.

**Storage:** Keep away from sources of ignition. Store in a cool dark & dry place. Store in a tightly closed container. Mark area as corrosive area.

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### Section 8 - Exposure Controls / Personal Protection

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**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### **Exposure Limits**

##### **Chemical Name ACGIH NIOSH OSHA - Final PELs**

Neodecanoyl Chloride

99%

OSHA Vacated PELs: Neodecanoyl Chloride 99%, No OSHA Vacated PELs is listed for this chemical.

#### **Personal Protective Equipment**

**Clothing:** Wear butyl rubber gloves, coveralls, apron or boots as necessary to prevent contact. Gloves must be inspected regularly and replaced as necessary.

**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Respiration:** Wear self- contained breathing apparatus or full face supplied air respirators.

**Ventilation:** Use local exhaust to control vapors/mists.



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**Explosion Proofing** : See Section 5 - Fire and Explosion Data.

**Other Personal Protection Data**: None under normal conditions.

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### **Section 9 - Physical and Chemical Properties**

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Property	: Value	at Temperature or Pressure
Physical State	: Liquid	
Appearance	: Colorless	
Odor	: Pungent	
Ph	: Not available.	
Vapor Pressure	: < 1 MILLIBAR @ 20 deg. C	
Vapor Density	: Not available.	
Evaporation Rate	: Not available.	
Viscosity	: 2.42 MPAS @ 20 deg. C	
Boiling Point	: 100 deg. C @ 28 millibars	
Freezing/Melting Point	: < -50 deg. C @ 760 millibars.	
Decomposition Temperature	: Not available.	
Solubility	: Not available.	
Specific Gravity/Density	: 0.95 g/cm <sup>3</sup> @ 25 deg. C	

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### **Section 10 - Stability and Reactivity**

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#### **Stability Data**

Stable.

#### **Incompatibility**

Water, Alkalies, Amines or Products Containing Amines.

Conditions/Hazards to Avoid: See Reactivity - Incompatibility section.

Hazardous Decomposition / Polymerization: Hazardous Decomposition Products: HCl.

Polymerization does not occur.

Corrosive Properties: Corrosive.

Oxidizer Properties: Not an oxidizer

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### **Section 11 - Toxicological Information**

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Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Toxicology Test Data: Rabbit,

Eye Irritation (unrinsed) – Nonirritating Rabbit,

Primary Skin Irritation - Irritating

Rat,

Oral LD50 - 1760 MG/KG

Moderately Toxic

Rat, 4 hr Inhalation

LC50 - 0.4 MG/L

Very Toxic

Rat, Inhalation Safety Screen –



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Death; Prolonged Exposure; 20 Deg C  
Ames Salmonella Assay -  
Not mutagenic

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### **Section 12 - Ecological Information**

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Environmental Toxicity Test Data:  
Elimination, (OECD 301D) - < 10 PERCENT

Not readily biodegradable  
Zebra Fish, Static 96 hr LC50 - 100 - 215 MG/L  
Practically Nontoxic

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### **Section 13 - Disposal Considerations**

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**Waste Disposal:** Incinerate in a RCRA licensed facility. Do not discharge into waterways or sewer systems without proper authority.

**Container Disposal:**

Empty containers with less than 1 inch of residue may be land filled at a licensed facility. Recommend crushing or other means to prevent unauthorized reuse. Other containers must be disposed of in a RCRA licensed facility.

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### **Section 14 - Transport Information**

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**DOT Proper Shipping Name:**

SEE BELOW

**DOT Technical Name:**

SEE BELOW

NEODECANOYL CHLORIDE

**DOT Primary Hazard Class:**

SEE BELOW

**DOT Secondary Hazard Class:**

SEE BELOW

**DOT Label Required:**

SEE BELOW

**DOT Placard Required:**

SEE BELOW

**DOT Poison Constituent:**

SEE BELOW

SPPL Commodity Codes: NA NA UN/NA Code: E/R Guide:

**US DOT Canada TDG**

**Shipping Name:**

TOXIC, CORROSIVE LIQUID, ORGANIC, N.O.S. No information available.

**Hazard Class** : 8, 6.1

**UN Number** : UN 2927

**Packing Group** : II



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### **Section 15 - Regulatory Information**

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TSCA Inventory Status

Listed on Inventory: YES

RCRA Hazard Waste No.: D002

CERCLA: NO Reportable Qty.: (If YES)

The RCRA hazardous waste number D002 refers to this material's RCRA hazardous waste characteristic of corrosivity. The hazard waste num. D003 refers to its characteristic of reactivity. State Regulatory Information: (By Component) NJ/PA/MA RTK

CAS: 40292-82-8 YES

NAME: Neodecanoyl Chloride

Hazard Ratings:

Health: Fire: Reactivity: Special:

HMIS 3 2 2 NA

NFPA 3 2 2 NA

This product is hazardous or contains components which are hazardous according to the OSHA Hazard Communication Standard.

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### **Section 16 – Additional Information**

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The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Shiva Pharmachem Pvt. Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if it has been advised of the possibility of such damages.