Section 1. Product and Company Identification

Product Name Neopentyl Glycol
CAS Number 126-30-7

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
(914) 654-6800 **(914) 654-6899**
parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Serious eye damage (Category 1): H318

GHS Label Elements
Pictograms:

Signal word: DANGER

Hazard and precautionary statements
Hazard statements
H318: Causes serious eye damage.

Precautionary statements
P280: Wear protective gloves/ eye protection/ face protection.
P305 + P351 + P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center or doctor/ physician.

Hazards not otherwise classified (HNOC) or not covered by GHS: None

Section 3. Composition / Information on Ingredients

Common Name Neopentyl Glycol
Synonym(s) 2,2-Dimethyl-1,3-propanediol, 2,2-Dimethylpropane-1,3-diol
Formula $C_5H_{12}O_2$
CAS Number 126-30-7

COMPONENT	CAS NUMBER	CONCENTRATION
Neopentyl Glycol	126-30-7	90 – 100%

Section 4. First Aid Measures

Description of first-aid measures
General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Inhalation: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact: Wash off with soap and plenty of water. Consult a physician.
Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling and/or in section 11.
Indication of any immediate medical attention and special treatment needed: No data available

Section 5. Firefighting Measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides
Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.
Further information: no data available

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections: For disposal see section 13

Section 7. Handling and Storage

Precautions for safe handling: Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Hygroscopic

Section 8. Exposure Controls / Personal Protection

Control parameters
Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure controls
Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

Personal protective equipment
Eye/face protection: Face shield and safety glasses 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.
Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties
Appearance: Colorless flakes
Odor: Sweet

Odor Threshold: No data available
pH: No data available
Melting point/freezing point: Melting point/range: 123 - 127°C (253 - 261°F)
Initial boiling point and boiling range: 209°C (408°F) at 1,013 hPa (760 mmHg)
Flash point (Closed Cup): 103°C (217°F)
Evaporation rate: No data available
Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits
Upper explosion limit: 18.8% (V)
Lower explosion limit: 1.37% (V)

Vapor pressure: < 1.1 hPa (< 0.8 mmHg) at 20 °C (68 °F)
Vapor density: No data available
Relative density: 1.06 g/cm^3 at 20°C (68°F)
Water solubility: 830 g/l at 20°C (68°F) - soluble
Partition coefficient: n-octanol/water: log Pow: -0.15 at 25°C (77°F)
Auto-ignition temperature: 399°C (750°F) at 1,013.25 hPa (760.00 mmHg)
Decomposition temperature: No data available
Viscosity: No data available
Explosive properties: No data available
Oxidizing properties: No data available

Other safety information: No data available

Section 10. Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: No data available
Conditions to avoid: Avoid moisture.
Incompatible materials: Strong oxidizing agents, Acid chlorides, Acid anhydrides

Hazardous decomposition products
Other decomposition products: No data available
In the event of fire: see section 5

Section 11. Toxicological Information

Information on toxicological effects
Acute toxicity
LD50 Oral: Rat - Male and female: > 6,400 mg/kg (OECD Test Guideline 401)
Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation
Skin: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation
Eyes: Rabbit
Result: Risk of serious damage to eyes. - 24 h (OECD Test Guideline 405)

Respiratory or skin sensitization: mouse
Result: Does not cause skin sensitization. (OECD Test Guideline 429)

Germ cell mutagenicity
Ames test: S. typhimurium
Result: Negative

Carcinogenicity
IARC: No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available
Specific target organ toxicity - single exposure: No data available
Specific target organ toxicity - repeated exposure: No data available
Aspiration hazard: No data available

Additional Information
Repeated dose toxicity: Rat - male and female - Oral: No observed adverse effect level - 300 mg/kg
RTECS: TY5775000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12. Ecological Information

Toxicity
Toxicity to fish
Static test LC50: Oryzias latipes - > 10,000 mg/l - 48 h

Toxicity to daphnia and other aquatic invertebrates
Static test EC50: Daphnia magna (Water flea) - > 500 mg/l - 48 h

Toxicity to algae
Static test EC50: Desmodesmus subspicatus (green algae) - > 500 mg/l - 72 h

Persistence and degradability
Biodegradability
Aerobic: Exposure time 28 d
Result: 70 - 80% - Readily biodegradable. (OECD Test Guideline 301B)

Bio accumulative potential
Bioaccumulation: Cyprinus carpio (Carp) - 42 d - 1 mg/l
Bio concentration factor (BCF): < 9 (OECD Test Guideline 305C)

Mobility in soil: no data available
Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT (US): Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Section 15. Regulatory Information

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right to Know Components
No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right to Know Components
2,2-Dimethylpropane-1,3-diol (CAS-No. 126-30-7)
New Jersey Right to Know Components
2,2-Dimethylpropane-1,3-diol (CAS-No. 126-30-7)

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

HMIS Rating
Health: 2
Flammability: 1
Reactivity: 0

NFPA Rating
Health: 2
Flammability: 1
Reactivity: 0

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 11/2/2015