

# MATERIAL SAFETY DATA SHEET

**Product name:** DOLOSOLZ-N

**Print Date:** 31 Oct 2016

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## 1. IDENTIFICATION

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**Product name:** DOLOSOLZ-N

**Recommended use of the chemical and restrictions on use**

**Identified uses:** Dispersant Polymer

Manufacturer :

PARAMOUNT MINERALS AND CHEMICALS LIMITED  
C-1001 Marathon Innova | Marathon Nextgen Complex, 10th Floor  
Veer Santaji Lane | Off G.K Marg | Lower Parel  
Mumbai-400013 | India.  
Tel : 022-40982500 Fax : 022-40982590

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## 2. HAZARDS IDENTIFICATION

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**Hazard classification**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**Other hazards**

no data available

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Chemical nature:** Water Soluble  
Polycarboxylate This product is a mixture.

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2-Propenoic acid, homopolymer, sodium salt	9003-04-7	44.0 - 46.0 %
Residual monomers	Not available	<= 150.0 PPM
Water	7732-18-5	54.0 - 56.0 %

*Note*

Polymeric description(s) presented in this section are the U.S. Toxic Substances Control Act (TSCA) definitions.

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## 4. FIRST AID MEASURES

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**Description of first aid measures**

**Inhalation:** Move to fresh air.

**Skin contact:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Eye contact:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Ingestion:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:** Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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## 5. FIREFIGHTING MEASURES

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**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** Not applicable

**Special hazards arising from the substance or mixture**

**Hazardous combustion products:** no data available

**Unusual Fire and Explosion Hazards:** Material can splatter above 100C/212F. Dried product can burn.

**Advice for firefighters**

**Fire Fighting Procedures:** no data available

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods and materials for containment and cleaning up:** Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8, for types of ventilation required.

**Conditions for safe storage:** Keep from freezing - product stability may be affected. STIR WELL BEFORE USE.

**Storage stability**

**Storage temperature:** 1 - 49 °C (34 - 120 °F)

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

Exposure limits are listed below, if they exist.

	Regulation	Type of listing	Value/Notation
Product	Paramount	TWA Respirable fraction.	0.5 mg/m3

**Exposure controls**

**Engineering controls:** Use local exhaust ventilation with a minimum capture velocity of 150 ft/min. (0.75 m/sec.) at the point of dust or mist evolution. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

**Protective measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

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## Individual protection measures

**Eye/face protection:** Safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

### Skin protection

**Hand protection:** The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves

**Respiratory protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. For dust or mist up to 5 times the exposure limit,

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wear a properly fitted NIOSH approved (or equivalent) single use N95 filtering facepiece. If oil mist is present, wear a single use R95 or P95 filtering facepiece.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Physical state	liquid
Color	Clear to hazy colourless
Odor	Mild odor
Odor Threshold	no data available
pH	6.5 - 7.5
Melting point/range	0 °C ( 32 °F) Water
Freezing point	no data available
Boiling point (760 mmHg)	100.00 °C ( 212.00 °F) Water
Flash point	Noncombustible
Evaporation Rate (Butyl Acetate = 1)	<1.00 Water
Flammability (solid, gas)	Not Applicable
Lower explosion limit	Not Applicable
Upper explosion limit	Not Applicable
Vapor Pressure	17.0000000 mmHg at 20.00 °C (68.00 °F) Water
Relative Vapor Density (air = 1)	<1.0000 Water
Relative Density (water = 1)	1.32
Water solubility	completely soluble
Partition coefficient: n-octanol/water	no data available

Auto-ignition temperature Not Applicable

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<b>Decomposition temperature</b>	>230.00 °C (446.00 °F)
<b>Dynamic Viscosity</b>	400.000 - 1,400.000 mPa.s
<b>Kinematic Viscosity</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available
<b>Molecular weight</b>	no data available
<b>Percent volatility</b>	54.00 - 56.00 % Water
<b>Particle size</b>	Not Applicable

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## 10. STABILITY AND REACTIVITY

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**Chemical stability:** no data available

**Possibility of hazardous reactions:** None known.

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Product will not undergo polymerization.  
Stable

**Conditions to avoid:** no data available

**Incompatible materials:** There are no known materials which are incompatible with this product.

**Hazardous decomposition products:** Thermal decomposition may yield acrylic monomers.

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## 11. TOXICOLOGICAL INFORMATION

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*Toxicological information on this product or its components appear in this section when such data is available.*

### Acute toxicity

#### Acute oral toxicity

LD50, Rat, > 5,000 mg/kg

#### Acute dermal toxicity

LD50, Rabbit, > 5,000 mg/kg

#### Acute inhalation toxicity

Product test data not available.

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**Skin corrosion/irritation**

slight irritation

**Serious eye damage/eye irritation**

slight irritation

**Sensitization**

Does not cause skin sensitisation.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Product test data not available.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Product test data not available.

**Carcinogenicity**

Product test data not available.

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**Teratogenicity**

Product test data not available.

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**Reproductive toxicity**

Product test data not available.

**Mutagenicity**

Ames mutagenicity: Negative

**Aspiration Hazard**

Product test data not available.

**COMPONENTS INFLUENCING TOXICOLOGY:**

**2-Propenoic acid, homopolymer, sodium salt**

**Acute inhalation toxicity**

The LC50 has not been determined.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Available data are inadequate to determine single exposure specific target organ toxicity.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

No relevant data found.

**Carcinogenicity**

No relevant data found.

**Teratogenicity**

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No relevant data found.

**Reproductive toxicity**

No relevant data found.

**Aspiration Hazard**

Based on physical properties, not likely to be an aspiration hazard.

**Residual monomers**

**Acute inhalation toxicity**

The LC50 has not been determined.

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## 12. ECOLOGICAL INFORMATION

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*Ecotoxicological information on this product or its components appear in this section when such data is available.*

**Toxicity**

**Acute toxicity to fish**

LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, 700 mg/l, OECD Test Guideline 203

LC50, Bluegill sunfish (Lepomis macrochirus), 96 Hour, >1,000 mg/l, OECD Test Guideline 203

LC50, Zebra fish (Danio/Brachydanio rerio), 96 Hour, >200 mg/l, OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

EC50, Daphnia magna (Water flea), 48 Hour, >1,000 mg/l, OECD Test Guideline 202

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**Acute toxicity to algae/aquatic plants**

EC50, Algae, 96 Hour, Growth rate, >180 mg/l, OECD Test Guideline 201

**Persistence and degradability**

**2-Propenoic acid, homopolymer, sodium salt**

**Biodegradability:** No relevant data found.

**Residual monomers**

**Biodegradability:** No relevant data found.

**Bioaccumulative potential**

**2-Propenoic acid, homopolymer, sodium salt**

**Bioaccumulation:** No relevant data found.

**Residual monomers**

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**Bioaccumulation:** No relevant data found.

## **Mobility in soil**

### **2-Propenoic acid, homopolymer, sodium salt**

No relevant data found.

### **Residual monomers**

No relevant data found.

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## **13. DISPOSAL CONSIDERATIONS**

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**Disposal methods:** For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

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## **14. TRANSPORT INFORMATION**

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### **DOT**

Not regulated for transport

### **Classification for SEA transport (IMO-IMDG):**

Not regulated for transport

**Transport in bulk** Consult IMO regulations before transporting ocean bulk **according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code**

### **Classification for AIR transport (IATA/ICAO):**

Not regulated for transport

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This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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## **15. REGULATORY INFORMATION**



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## OSHA Hazard Communication Standard

This product as supplied is non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). Under processing conditions it may become OSHA hazardous due to the potential for overexposure to dusts or mists.

## Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

## Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

## 16. OTHER INFORMATION

### Hazard Rating System

#### HMIS

Health	Flammability	Physical Hazard
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1	0	0
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### Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

## PARAMOUNT MINERALS AND CHEMICALS LIMITED

(An ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Company)

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