

MATERIAL SAFETY DATA SHEET

Product name: DOLOSOLZ

Print Date: 31 Oct 2016

1. PRODUCT AND COMPANY IDENTIFICATION

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
P(AA/NaHSO ₃)	66019-18-9	47.0 - 49.0 %
Residual monomers	Not required	< 200.0 PPM
Water	7732-18-5	51.0 - 53.0 %

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance

Form	liquid
Colour	colourless
Colour	Clear to hazy
Odour	Mild odor

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Hazard Summary

CAUTION!

INHALATION OF VAPOR OR MIST CAN CAUSE HEADACHE, NAUSEA AND IRRITATION OF THE NOSE, THROAT AND LUNGS.
MAY CAUSE EYE AND SKIN IRRITATION.
PROLONGED OR REPEATED OVEREXPOSURE TO DUSTS OR MISTS CAN CAUSE THE FOLLOWING:
LUNG IRRITATION

Potential Health Effects

Primary Routes of Entry:

Inhalation
Eye contact
Skin contact

Eyes: Direct contact with material can cause the following:
slight irritation

Skin: Prolonged or repeated skin contact can cause the following:
slight irritation

Inhalation: Inhalation of vapor or mist can cause the following:
irritation of nose, throat, and lungs

Headache
Nausea

Chronic Exposure: Prolonged or repeated overexposure to dusts or mists can cause the following:
Lung irritation

4. 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.

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

Flash point	Noncombustible
Ignition temperature	Not Applicable
Lower explosion limit	Not Applicable
Upper explosion limit	Not Applicable

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

Thermal decomposition >230.00 °C

Specific hazards during firefighting: Material can splatter above 100C/212F. Dried product can burn.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

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 for 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

Handling

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

Storage

Further information on storage conditions: Keep from freezing - product stability may be affected.
STIR WELL BEFORE USE.

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

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit(s)

Exposure limits are listed below, if they exist.

	Regulation	Type of listing	Value
Product	Paramount	TWA Respirable fraction.	0.5 mg/m ³

Exposure controls

Engineering measures: 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.

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, 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid
Colour	colourless
	Clear to hazy
Odour	Mild odor
pH	3.2 - 4.0
Melting point/range	0 °C (32 °F) Water
Boiling point/boiling range	100 °C (212.00 °F) Water

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Flash point	Noncombustible
Evaporation rate	<1.00 Water
Lower explosion limit	Not Applicable
Upper explosion limit	Not Applicable
Vapour pressure	17.0 mmHg at 20 °C (68.00 °F) Water
Relative vapour density	<1.0Water
Relative density	1.24
Water solubility	completely soluble
Auto-ignition temperature	Not Applicable
Decomposition temperature	>230 °C (446.00 °F)
Viscosity, dynamic	400.000 - 1,400.000 mPa.s
Percent volatility	51 - 53 % Water

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

10. STABILITY AND REACTIVITY

Hazardous reactions None known.
Stable
However, avoid temperatures above 230C/446F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

Materials to avoid There are no known materials which are incompatible with this product.
Hazardous Thermal decomposition may yield acrylic monomers.,

Decomposition products
polymerisation
Product will not undergo polymerization.

not applicable

11. TOXICOLOGICAL INFORMATION

LC50 Oncorhynchus mykiss (rainbow trout) 96 Hour OECD Test Guideline 203

Toxicological information product or its components in this section when such available.

on this appear data is

Acute oral toxicity LD50 mg/kg

rat > 5,000

Acute dermal toxicity

LD50 rabbit > 5,000 mg/kg

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Skin irritation rabbit slight irritation
Eye irritation rabbit slight irritation
Sensitisation guinea pig Not a sensitizer. Not a sensitizer.

Mutagenicity

Ames mutagenicity: Negative

12. ECOLOGICAL INFORMATION

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

Elimination information (persistence and degradability)

Bioaccumulation

Ecotoxicity effects

Toxicity to fish

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

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

Toxicity to algae EC50 Algae 96 Hour OECD Test Guideline 201
>180 mg/l

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

13. DISPOSAL CONSIDERATIONS

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

Disposal

Waste Classification: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity

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Characteristic Leaching Procedure (TCLP).

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

14. TRANSPORT INFORMATION

DOT

Not regulated for transport

Classification for SEA transport (IMO-IMDG):

Not regulated for transport

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15. REGULATORY INFORMATION

Workplace Classification

OSHA: 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.

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SARA TITLE III: Section 311/312 Categorizations (40CFR370): This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

SARA TITLE III: Section 313 Information (40CFR372)

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

16. OTHER INFORMATION

HMIS Hazard Rating

Health	Flammability	Physical Hazard
1	0	0

Legend

ACGIH	American Conference of Governmental Industrial Hygienists
BAC	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL):
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
	Bar denotes a revision from prior MSDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

PARAMOUNT MINERALS AND CHEMICALS LIMITED

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

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