



OPTIMUM POLYMER TECHNOLOGIES, INC.
GHS SAFETY DATA SHEET

Section 1: Identification

Product Name: MDR Mineral Deposit Remover Product Code: 21687

Trade Name: MDR Mineral Deposit Remover

Manufacturer/Supplier:

Optimum Polymer Technologies, Inc.
4130 Senator Street
Memphis, TN 38118
Tel: 1 (901) 363-4955
Fax: 1 (901) 363-4956

Email: info@optimumcarcare.com

Adres:
Optimum Car Care
Opaalstraat 10
7554 TS
Hengelo (OV) Nederland

Emergency Telephone Number:

24 Hour Emergency Assistance: (901) 292-4324

CHEMTREC Customer Service
1-800-262-8200 (within the U.S.)
+1 703-741-5500 (US or Canada)
chemtrec@chemtrec.com
www.chemtrec.com

Telefoon:
+31(0)743577679
Info@Optimumcarcare.NL

Emergency Telephone Number:
Nationaal Advies Orgaan/ Vergiftigings Centrum: 030-274 88 88
Uitsluitend voor professionele Hulpverleners. Open 24/7

Product Use: Automotive application

Not recommended for: Non automotive use

Section 2: Hazards Identification

OSHA Hazards

No known OSHA Hazards

GHS Ratings:

Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitizer	1B	Skin sensitizer

GHS label elements including precautionary Statements

GHS Hazards

H303 May be harmful if swallowed
 H315 Causes skin irritation
 H319 Causes serious eye irritation



GHS07

GHS05

Signal Word: Warning

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

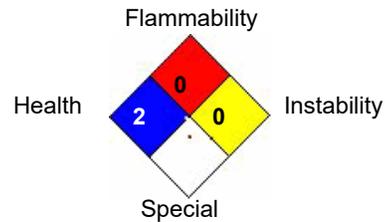
2 = MODERATE

3 = HIGH

GHS Precautions

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P302+P352 IF ON SKIN: Wash with soap and water
 P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
 P306+P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes

National Fire Protection Association (NFPA)



Effects of Overexposure

None known.

Section 3: Composition/ Information on Ingredients

Chemical Name	CAS Number	Concentration
Phosphoric Acid 75%	7664-38-2	10.00 - 20.00
Sodium Chloride	7647-14-5	1.00 - 5.00
Ethoxylated Amine	61791-26-2	1.00 - 5.00
Amine Oxide	71486-82-3	1.00 - 5.00

Section 4: First Aid Measures

Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Eye Contact:

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if irritation persists.

Skin Contact:

In case of skin contact, wash off with soap and water. Consult a physician if irritation persists.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire Fighting Measures

LEL: N/A

UEL: N/A

Conditions of Flammability

Not flammable or combustible

Extinguishing Media

Use water spray, carbon dioxide foam, or dry chemical.

Unusual Fire or Explosion Hazards:

None known.

Hazardous Combustion Products:

Carbon monoxide, carbon dioxide

Fire Fighting Equipment

Wear self contained breathing apparatus for fire fighting if necessary

Section 6: Accidental Release Measures**Personal Precautions**

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation exists.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Contact local and state authorities if spill enters open waters.

Small spills

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable closed container for disposal.

Large Spills

Use dykes to contain the spill. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Contact local and state authorities if spill enters open waters.

Section 7: Handling and Storage

Follow label directions for proper usage and SDS for safe handling and storage

Handling Precautions

Avoid contact with eyes or prolong contact with skin. Areas of storage, preparations, and application should be well ventilated. Do not smoke, eat, or drink when using this product.

Storage Requirements

Store between 5C and 40C. Keep container tightly closed in a dry well ventilated area away from sources of flame, heat, and direct sunlight

Section 8: Exposure Controls/ Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Phosphoric Acid 75% 7664-38-2	1 mg/m3	1 mg/m3	
Sodium Chloride 7647-14-5			
Ethoxylated Amine 61791-26-2			
Amine Oxide 71486-82-3			

Control Parameters:

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Ventilation

Use adequate ventilation.

Protective Gear

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

Protection of Hands:

Wear chemical resistant gloves such as North Silver Shields(R) or Viton(R). For limited use, PVC or nitrile gloves may be worn. Silver Shield is a registered trademark of Siebe North, Inc. Viton is a redistered trademark of E. I. Dupont deNemours and Company, Inc.

Respiratory Protection

Not required

Body protection

Not required

Contaminated Gear

Remove contaminated clothing. Thoroughly wash contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

Boiling Range 100 to 1413 °C, 212 to 2575 °F	% Volume Volatile 0.00
Specific Gravity (SG) 1.081	Lbs VOC/Gallon Less Water 0.36

Section 10: Stability and Reactivity

Follow label directions for proper usage.

Stability

Stable

Materials to avoid:

Avoid strong oxidizing agents

Reactivity

Not reactive.

Hazardous Decomposition:

None if used for intended purpose

Hazardous Decomposition Products:

Carbon monoxide

Conditions to avoid

Avoid freezing and temperatures over 40 C

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity: Not Known

Component Toxicity:

Phosphoric Acid 75%

Sodium Chloride

Ethoxylated Amine

Amine Oxide

- Oral Toxicity: 5,000.00 mg/kg (Rat)

Acute toxicity**Oral LD50**

No data available

Inhalation LC50

No data available

Dermal LD50

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Carcinogenicity

IARC: No known component of this product is identified as probable, possible, or confirmed human carcinogen by IARC

ACGIH: No component of this product is identified as probable, possible, or confirmed human carcinogen by ACGIH

NTP: No component of this product is identified as probable, possible, or confirmed human carcinogen by NTP

OSHA: No component of this product is identified as probable, possible, or confirmed human carcinogen by OSHA

Section 12: Ecological Information

Biodegradability

The components of this product are primarily biodegradable at 90% or above within 28 days .

Persistence and degradability:

No relevant information is available.

Bioaccumulative potential:

No relevant information is available.

Mobility in soil:

No relevant information is available.

Other adverse effects:

None known.

Section 13: Disposal Considerations

Method of disposal:

Dispose according to local and regional regulations for waste disposal.

Section 14: Transportation Information

Marine polutant:

No

Transport in bulk (according to Annex II of Marpol 73/78 and IBC Code):

Not applicable

Special requirements for user:

Not applicable.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
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Section 15: Regulatory Information

California

This product contains no chemicals listed by the state of California under the safe drinking water and toxic enforcement act of 1986 (Proposition 65) as being known to cause cancer, birth defects, or other reproductive harm .

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	California Proposition 65	No
USA	CERCLA	No
USA	EPA/ TSCA Inventory	No
USA	Sara 311/312	No
USA	Sara 313 Components	No
USA	Sara 302	No
USA	SARA 304	No

EU Risk Phrases

Safety Phrase



TSCA

The components of this product are included on or exempted from listing on TSCA inventory of chemical substances.

Section 16: Other Information

Department Issuing Safety Data Sheet: Safety Department
Contact: davidg@optimumcarcare.com

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service Registry Number
DOT: Department of Transportation
EPA: Environmental Protection Agency
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
NTP: National Toxicology Program
OSHA: Occupational Safety Health Administration
PEL: Permissible Exposure Limit (OSHA)
TSCA: Toxic Substance Control Act

Date Prepared: 4/29/2017

Date revised: 2017-01-29

Reviewer Revision

The information contained in this document is believed to be accurate to the best of our current knowledge but is not all inclusive and shall be used only as a guide. It is provided in good faith but without warranty, expressed or implied, as to the results of the use of the information and/or this product. Optimum and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.