



OPTIMUM POLYMER TECHNOLOGIES, INC.
GHS SAFETY DATA SHEET

Section 1: Identification

Product Name: MDR Mineral Deposit Remover Product Code: 109

Trade Name: MDR Mineral Deposit Remover

Manufacturer/Supplier:

Optimum Polymer Technologies, Inc.
5768 Distribution Drive
Memphis, TN 38141
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 Cleaner

Not recommended for: Non-Automotive Use

Section 2: Hazards Identification

OSHA Hazards

No known OSHA Hazards

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	2A	Eye Irritation: Reversible adverse effects on cornea, iris, conjunctiva, Draize score: Corneal opacity ≥ 1 , Iritis > 1 , Redness ≥ 2 , Chemosis ≥ 2

GHS label elements including precautionary Statements

GHS Hazards

H302 Harmful if swallowed
 H315 Causes skin irritation
 H319 Causes serious eye irritation

GHS Precautions

P280 Wear protective gloves/protective clothing/eye protection/face protection
 P311 Call a POISON CENTER or doctor/physician
 P363 Wash contaminated clothing before reuse
 P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing



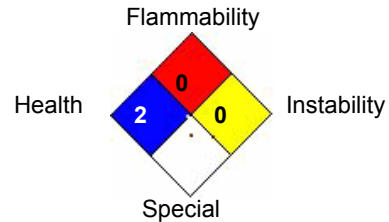
Signal Word: Warning

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

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 registered 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

<p>Odor threshold: Not Determined</p> <p>pH: 2.65</p> <p>Melting point: 0C</p> <p>Boiling range: 100C</p> <p>Evaporation rate: Not Determined</p> <p>Explosive Limits: Not Applicable</p> <p>Autoignition temperature: Not Applicable</p> <p>Viscosity: 2,500 cps</p> <p>Appearance: Hazy Clear</p> <p>Vapor Pressure: Not Determined</p>	<p>Vapor Density: Not Determined</p> <p>Density: 1.06 g/L</p> <p>Freezing point: 0C</p> <p>Flash point: Not Applicable</p> <p>Flammability: Not Applicable</p> <p>Partition coefficient (n-octanol/water): Not Applicable</p> <p>Decomposition temperature: Not Determined</p> <p>Grams VOC less water: 15</p> <p>Odor: None</p> <p>Solubility: Soluble</p>
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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	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: 11/25/2014

Date revised: 2014-11-14

Reviewer Revision 1

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

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