International Stoneworks, Inc.
8650 Fairbanks N
Houston
Houston, TX 77064
Phone: 713-956-8291
www.intlstoneworks.com

MDR – Mineral Deposit Remover

1. Products and Company Identification

1.1 Product Identifier

Product form..... Mixture
Product name.....MDR
Product code.....MDR

1.2 Relevant identifier

Use of substance/mixture .....Acid cleaner

1.3 Details of supplier of SDS

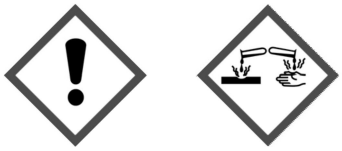
International Stoneworks, Inc.

Validation date: **11/17/2025**

2.Hazards Identification

2.1 Hazardous Classification
Skin Corr . lA H314

2.1 Label Elements
Hazardous Pictogram



Signal Word......"Danger"
Hazardous Statements.....H314- Causes severe burns and eye damage.
Precautionary Statements.....P260 - Do not breathe dust/ mist/ spray.
P264 - Wash hands and forea rms thoroughly after hand ling.
P280 - Wear protective gloves/eye protection/face protection.
P301+P330+P331- If swallowed rinse mouth . Do **NOT** induce vomitin g.
P303+P361+P353 - If on skin (or hair): Immediately take of all contaminated clothing . Rinse with water/ shower .
P304+P340 - If inhaled : Remove person to fresh air and keep comfortable for breathing .
P305+P351+P338- If in eyes : Rinse cautiously with water for several minutes . Remove contact lenses, if present and easy to do. Continue rinsin g.
P310 - Immediately call a poison center/ doctor .
P321- Specific treatment (see First aid measures on this label) .
P363 - Wash contaminated clothing before use.
P405 - Store locked up.
PSOl - Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition Information

Component	CAS Registry #	Component(%)	Classification (GHS-US)
Phosphoric acid, conc=85%	7664-38-2	20-30	Skin Corr. lB, H314
2-But oxyethanol	111-76-2	1-5	Flam . Liq. 4, H227 Acute Tox. 4 (oral), H302 Acute Tox. 3(dermal), H311 Acute Tox. 2(Inhalation gas), H330 Skin lrrit 2, H315 Eve Irrit 2A, H319
Proprietary Surfactant	N/A	<1%	Flam . Liq. 2, H225 Eye lrrit 2A, H319 STOT SE 3, H336

4. First-aid Measures

4.1 Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwe ll, seek medical advice (show label where possible).

First-aid measures after inhala tion: Remove to fresh air at rest in a position comfortable for breath ing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing . Rinse skin with water/ shower. Immediately call a POISON CENTER or doctor/ physician.

First-aid measure after eye contact: Rinse cautiously with water for several minutes . Remove contact lenses if present and easy to do. Continue rinsin g. Immediately call a POISON CENTER or doctor or physician.

First-aid measure after ingestion: Rinse mouth . Do **NOT** induce vomitin g. Immediately call a POISON CENTER or doctor/ physician.

4,2 Most important symptoms and effects, both acute and delayed

Symptoms/ inj uries: Causes sever skin burns and eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

5. Fire Fighting Measures

5.1 **Extinguishing media**

Suitable extinguishing media : Foam, dry powder, carbon dioxide, water spray and sand.

Unsuitable extinguishing media: Do not use a heavy water strea m.

5.2 Special hazards arising from substance or mixture

Reac tivity: Thermal decomposition generates : Corrosive vapors.

5.3 Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers . Exercise caution when fighting any chemical fire. Prevent fire - fighting water from entering environment

Protection during firefigh ting: Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measure

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public water s.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections

See Heading 8, exposure controls and personal protection

7. Handling and Storage

7,1 Precautions for safe handling

Precautions for safe hand ling: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work Provide good ventilation in process areas to prevent formation of vapor . Do not breathe dust/ mist/spray . Avoid contact during pregnancy/while nursing

Hygiene measures: Wash hands and forearms thoroughly after handling as with any chemicals.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible Products: Strong bases. Strong Acids.

Incompatible Materials: Source of ignition. Direct sunlight

7.3 Specific end use(sl

No additional information available

8. Exposure controls and personal protection

Ingredients	CAS#	Exposure Limits
Phosphoric Acid	7664-38-2	1 mg/ m3 TWA OSHA PEL I mg/ m3 TWA ACGIH TLV 3mg/ m3 STEL (ACGIH)

8.1 Exposure controls

Personal protective equipment: Avoid all unnecessary exposure.

Hand protections: Wear protective gloves/eye protection/face protection/protective gloves.

Eye protection: Chemical goggles or face shield.

Foot Protection: Wear suitable work boots.

Skin and body protection: Wear suitable protective clothing

Respiratory protection: wear appropriate mask

Other in formation : Do not eat, drink or smoke during use.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Blue **pH:2**

Odor: mild odor
Solubility in water: soluble in water, 63g/100mL
Specific Gravity: 1.03

Boiling Point {F°) : Approx. 212
Flash Point (F°) : .. 200
Vapor Pressure: N/A

10. Stability and Reactivity

10,1 Reactivity
Thermal decomposition generates: Corrosive Vapors.

10.2 Chemical Stability
Stable under normal conditions. Not established.

10.3 Possibility of hazardous reactions
Not es tablished.

10.4 Conditions to avoid
Direct sunlight Extremely high or low temperatures .

10.5 Incompatible materials
Strong acids. Strong Bases.

10.6 Hazardous decomposition products
Fume . Carbon monoxide . Carbon Dioxi de. Thermal decomposition generates: Corrosive Va pors.

11. Toxicolo Information

Acute toxicity: Not classified

2-butoxyethanol (111-76-2)	
ATE US forall	530.0000000000 mg/kg body weight
ATE US (dermal)	435.0000000000 mg/kg body weight
ATE US (gases)	450.0000000000 oomV/4h
ATE US (vapors)	2.1700000000 mg/l/4h
ATE US *(dust,* mist)	2.1700000000 mg/l/4h

2-orooanol (67-63-0l	
LOSO oral rat	5045 mg/kg (Rat; ECD 401; Acute Oral Toxicity; Experimental valu e; 5840 mg/kg bodyweight; Rat)
LOSO dermal rabbit	12870 mg/kg (Rabbit ; Experimental value; Equivalent or similar to OECD 402; 14 ,4; Rabbit)
LCSO inhalation rat ſmg/I)	73mg/J/4h (Ratl
ATE US forall	5045.000000000 mg/kg body weight
ATE US (dermal)	12870.000000000 mg/kg body weight
ATE US fvaoor s)	73.0000000000 mg/l/4h
ATE US *(dust,* mist)	73.0000000000 mg/l/4h

Skin Corrosion/irritation: Causes severe skin burns and eye damage.
pH: 2
Serious eye damage/irritation: Not classified
pH: 2
Respiratory or skin sensitization: Not classified
Germ mutagenicity: Not classified
Carcinogenicity: Not classified

2-buto ethanol 111-76-2	
IARC ou	3 - Not classifiable

Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard : Not classified
Potential Adverse human health effects ; Based on available data, the classification criteria are not met

and symptoms

12. Ecological Information

12,1 Toxicity

Ammonium Hvdroe:en Di-Fluoride (1341-049-71	
LC50 fish	562 m2/l *(96* h; Brachvdanio rerio1
LC50 other aquatic organisms 1	10-100, 96 h
LC50 fish 2	237 mg/I *(96* h; Brachvdanio reriol
Threshold limit other aquatic organisms 1	10-100; 96 h

Phosphoric Acid, conc=85% (7664-38-21	
LC50 fish	138 m2/l *(96* h; Pisce s; Pure substance)
LC50 other aauatic ornanisms 1	100-1000 m2/l *(96* h; Protozoa; Pure substance)
LC50 fish 2	600 mg/I (Pisces; Pure substancel
LC50 other aquatic organisms 2	240 mg/I (Pure substancel
TLM fish 1	138 oom (24 h; Gambusia affinis; Pure substance)
Threshold limit other aquatic organisms 1	100-1000 *(96* h; Protozoa; Pure substance]
Threshold limit other aquatic organisms 2	240 mg/I (Pure substancel

2-butoxvethanol (111-76-21	
LC50 fish 1	116 oom *(96* h; Cyprinodon variegatus; Normal concentration]
EC50 Daphnia 1	1700 mg/I *(* 48 h; Daphnia sp.; Normal concentrationl
EC50 Daohnia 2	1341 oom *(96* h; Leoomis macrochirus)
LC50 fish 2	1720 mg/I (24 h; Daphnia magnal
TLM fish 1	100-1000, 96 h; Pisces
TLM other aauatic or2anisms 1	100-1000, 96 h
Threshold limit al2ae 1	900 m2/l 068 h; Scenedesmus auadricauda1
Threshold limit algae 2	35 mg/I (192 h; microcystis aeruginosal

13. Disposal Considerations

13.1 Waste treatment methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Disposeof contents/containers in accordance with local/regional/national/international regulations.

Ecology - waste materials : Avoid release into the environment

14. Transport Information

In accordance with DOT regulations

Transport document description: NAl 760 Compounds, cleaning liquid Contains Phosphoric acid, 8, 111
UN- No . (DO T): 1760
DOT NA no.: NA1760
Reportable Quantities: 5000lbs (2270 Kg)
Proper Shipping Name (DOT): Compounds, cleaning liquid
Contains Phosphoric Acid
DOT Hazard Classes: Class 8 - Corrosive material 49 CFR 1 73.136

Hazard labels (DOT): 8 - Corrosive

DOT Symbols :	D - Proper shipping name for domestic use only, or to and from Canada, G - Identifies PSN requires technical name
Packing group (DOT):	III - Medium Danger
DOT Special Provisions (49 CFR 1 72.102):	82 - MC 300, MC 301, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized . 182-Authorized IBCs: Metal (31A, 318 and 31N): Rigid plastics (31Hl and 31H2); Composite (31 HZ1) . Additional requirement: Only liquids with vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized . N37 -This material may be shipped in an integrally-lined fiber drum (lG) which meets general packaging requ irements of subpart 8 of part 137 of this subchapter, the requirement of part 178 of this subchapter at the packing group assigned for the material and to any other special provisions of column 7 of the 172.101 table. Tll - 6 1 78.273(d)(2) Normal..... 178 .275(d)(3) TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following : (image) Where : tr is the maximum mean bulk temperature during transport, tf is the temperatures in degrees Celsius of the liquid during filling, and a is the mean coefficient of the cubical expansion of the liquid between the mean temperature of the liquid during filling (ti) and the maximum mean bulk temperature during transportation (tr) both in degrees Ce lsius . b. For liquid s transported under ambient conditions may be calculated using the formula: (image) Where d15 and dSO are the densitie s (in units of mass per volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively . TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 time the MA WP.

15. Regulatory Information

15.1 US Federal Regulations

Ammonium Hydroaen Di-Fluoride (1341-049-7)
Listed in the United States TSCA (Toxic Substances Control Act) inventory Not listed on the United States SARA Section 313
RQ (Reportable quantity, section 304 of EPAs List of Lists): lOOlb

Phosuhoric Acid, conc=85% (7664-38-21
Listed in the United States TSCA (Toxic Substances Control Act) inventory Not listed on the United States SARA Section 313
RQ (Reportable quantity, section 304 of EPAs List of Lists): sooolb

15,2 Regulations

15.2.1 International

CANADA

No additional information is available .

EU-Regulations

No additional information is available .

Classification according to Regulation {EC) No. 1272/2008 [CLP]

Classification according to Directive 67 /548/EEC [DSD) or 1999/45/EC [DPD]

Not Classified

15.2.2 National

No additional information is available .

16. Other Information

HMIS RATINGS

Heal th:	[3] Serious hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability Class ification :	[O] Minimal hazard
Reac tivity:	[1] Slight hazard
Pers . Protection:	[E]

Disclaimer:

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