

106174

OCT - 2 2014

DISSOLVE DESCALER

MATERIAL SAFETY DATA SHEET

Print date: 19-Aug-2013

Revision Number: 3

Revision date: 19-Aug-2013

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: DISSOLVE DESCALER

Article Code:

Synonyms: No information available

Chemical characterisation: No data is available on the product itself.

Supplier:
 Cleveland Range Company
 1333 E. 179th Street
 Cleveland, OH 44110
 Phone: (216) 481-4900

Emergency telephone number

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	ACGIH (TWA mg/m ³):	OSHA (TWA mg/m ³):
Hydrochloric acid	7647-01-0	2 ppm	5 ppm

Note for Non-Hazardous Components Components not precisely identified above are non-hazardous as defined by applicable laws.

3. HAZARDS IDENTIFICATION

Properties affecting health: None.

Principle routes of exposure: Skin. Respiratory system.

Skin contact: Moderately irritating to the skin.

Eye contact: Moderately irritating to the eyes.

Inhalation: May cause irritation of respiratory tract.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

4. FIRST AID MEASURES

General advice: If symptoms persist, call a physician.

Skin contact: Wash off immediately with plenty of water. Consult a physician if necessary. Remove and wash contaminated clothing before re-use.

Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.
Ingestion:	Do not induce vomiting. Drink plenty of water. Consult a physician if necessary.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
The product is not flammable

Extinguishing media which must not be used for safety reasons:
Not applicable.

Special protective equipment for firefighters:
Standard procedure for chemical fires

Specific hazards:	Not applicable.
Unusual hazards:	No hazards resulting from the material as supplied
Specific methods:	Not applicable.

Flash point:	Not applicable.
Autoignition temperature:	No information available

Flammability Limits in Air:

Lower	No information available
Upper	No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment
Environmental precautions:	Should not be released into the environment.
Methods for cleaning up:	Neutralise with Soda Ash or Lime.

7. HANDLING AND STORAGE

<p>Handling</p> <p>Technical measures/precautions: Safe handling advice:</p> <p>Storage</p> <p>Technical measures/storage conditions:</p> <p>Incompatible products:</p>	<p>Use only in area provided with appropriate exhaust ventilation Use only in well-ventilated areas. Avoid contact with skin and eyes.</p> <p>Keep in properly labelled containers. Freezing will affect the physical condition but will not damage the material. thaw and mix before using. No special restrictions on storage with other products.</p>
---	--

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory protection:	Do not inhale aerosol.
Hand protection:	Nitrile rubber.
Skin and body protection:	Usual safety precautions while handling the product will provide adequate protection against this potential effect

Eye protection:
Hygiene measures:

Safety glasses
Avoid contact with skin, eyes and clothing



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	Liquid
Color:	Light yellow	Odor:	Pleasant
Specific gravity:	1.056	pH:	<1.0
Boiling point/range:	214 (°F)	Evaporation rate:	Not determined
Vapor density:	Not determined	Vapor pressure:	30 mm Hg estimated
Solubility:	Soluble.		

10. STABILITY AND REACTIVITY

Stability:	Stable
Polymerization:	Hazardous polymerisation does not occur.
Hazardous decomposition products:	Chlorine and hydrogen gas may be released at high temperatures.
Materials to avoid:	Strong oxidising agents, strong bases.
Conditions to avoid:	Stable at normal conditions

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data available

12. ECOLOGICAL INFORMATION

Mobility: No information available.

Bioaccumulative potential: No information available.

Ecotoxicity effects: No data available.

Aquatic toxicity: No information available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Solutions with low pH-value must be neutralised before discharge. Dispose of in accordance with local regulations.

Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT Proper shipping name: Not Applicable by Ground transportation only

TDG (Canada) Proper shipping name: Corrosive Liquid, Acidic, Inorganic, n.o.s. (contains Hydrochloric Acid)
UN-No: UN3264
Hazard Class: 8
Packing group: PGIII

14. TRANSPORT INFORMATION

IMO / IMDG

Proper shipping name: Corrosive Liquid, Acidic, Inorganic, n.o.s. (contains Hydrochloric Acid)
UN-No: UN3264
Hazard Class: 8
Packing group: PGIII

ICAO

Proper shipping name: See IATA

IATA

Proper shipping name: Corrosive Liquid, Acidic, Inorganic, n.o.s (contains Hydrochloric Acid)
UN-No: UN3264
Hazard Class: 8
Packing group: PGIII

15. REGULATORY INFORMATION

International Inventories

PICCS: This product does not comply with PICCS
TSCA: Listed in TSCA
DSL: Contains an ingredient listed on the NDSL
ENCS: This product does not comply with JFENCS
CHINA: This product does not comply with China:
AICS: This product does not comply with AICS
KECL: This product does not comply with Korea:
EINECS/ELINCS This product does not comply with EINECS/ELINCS

U.S. Regulations:

Hydrochloric acid

SARA 313 Threshold: Hydrochloric acid (8 - 12%).
MARTK: Listed.
NJRTK: Substance no. 1012 Listed.
PARTK: Listed.
RIRTK: Listed.
ILRTK: Listed.
CTRTRK: Listed.

Sara (311, 312) hazard class:

Acute Health Hazard

Canada

WHMIS hazard class:
E Corrosive material

WHMIS graphic:

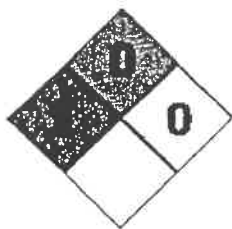


16. OTHER INFORMATION

NFPA Health: 1 Flammability: 0 Instability: 0

HMIG Health: 1 Flammability: 0 Reactivity: 0

NFPA symbol:



Reason for revision:
Prepared by:

Not applicable
Health & Safety

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.

