

MATERIAL SAFETY DATA SHEET

ECO-RECLAIM 300

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

PRODUCT NAME ECO-RECLAIM 300

PRODUCT USE Stencil remover for direct stencils.

SUPPLIER M&R Companies
1N372 Main Street
Glenn Ellyn, IL 60137
T: 630-858-6101

EMERGENCY TELEPHONE 800-424-9300 (Chemtrec, 24 hours)

CONTAINER SIZE 1L, 5L, 25L, 210L

CONTAINER SIZE

IDENTIFICATION No. 3264

2 HAZARDS IDENTIFICATION

ENVIRONMENT

Substantial amounts of the product may lead to a local change in acidity in small water systems which may have adverse effects on aquatic organisms.

PHYSICAL AND CHEMICAL HAZARDS

None under normal conditions.

POTENTIAL HEALTH EFFECTS

INHALATION

May cause irritation to the respiratory system.

INGESTION

Causes burns. May cause severe internal injury.

SKIN CONTACT

Causes burns.

EYE CONTACT

Causes burns. Risk of serious damage to eyes.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
ORTHOPERIODIC ACID	233-937-0	10450-60-9	10-30%
NITRIC ACID ...%	231-714-2	7697-37-2	5-10%

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

SKIN CONTACT

Remove affected person from source of contamination. Burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

EYE CONTACT

Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital taking along these instructions.

5 FIRE-FIGHTING MEASURES

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ECO-RECLAIM 300**EXTINGUISHING MEDIA**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

When heated and in case of fire, corrosive vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire. Severe corrosive hazard. Wear chemical protection suits.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Follow precautions for safe handling described in this safety data sheet. Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into water courses or onto the ground.

SPILL CLEAN UP METHODS

Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers. For waste disposal, see section 13.

7 HANDLING AND STORAGE**HANDLING**

Observe good chemical hygiene practices. Avoid spilling, skin and eye contact.

STORAGE

Store in closed original container at temperatures between 40°F (5°C) and 86°F (30°C).

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
NITRIC ACID ...%	OSHA	2 ppm	5 mg/m3	-	-	

INGREDIENT COMMENTS

OSHA = Occupational Safety & Health Administration limits.

PROCESS CONDITIONS

Provide eyewash, quick drench.

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Wear protective gloves. Butyl rubber gloves are recommended. Neoprene gloves are recommended. Nitrile gloves are recommended.

EYE PROTECTION

Wear goggles/face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

When using do not eat, drink or smoke. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes wet or contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

Liquid

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COLOR	Colorless		
ODOR	Odorless		
SOLUBILITY	Soluble in water.		
BOILING POINT (°C)	212 °F (100 °C)	pH-VALUE, CONC. SOLUTION	1 - 2
VOLATILE ORGANIC CONTENT	ASTM D2369: 0 g/litre		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

MATERIALS TO AVOID

Strong alkalis. Strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

When heated and in case of fire, corrosive vapours/gases may be formed.

11 TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION**

No information available.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

MOBILITY

The product is water soluble and may spread in water systems.

BIOACCUMULATION

The product does not contain any substances expected to be bio-accumulating.

DEGRADABILITY

The product is expected to be biodegradable.

ACUTE FISH TOXICITY

Not considered toxic to fish.

13 DISPOSAL CONSIDERATIONS**WASTE MANAGEMENT**

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Contact specialist disposal companies. Small quantities may be flushed to drains with plenty of water.

WASTE CLASS

This product should be considered a hazardous waste under RCRA (corrosive waste, D002).

14 TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (ORTHOPERIODIC ACID)		
TDG SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (ORTHOPERIODIC ACID)		
IDENTIFICATION No.	3264	TUNNEL RESTRICTION CODE	(E)
CEPIC TEC(R) NO.	80GC1-II+III	DOT HAZARD CLASS	8
DOT PACKING GROUP	II	U.S DOT HAZARD LABEL	Corrosive
UN NO. SEA	3264	IMDG CLASS	8
IMDG PACK GR.	II	EMS	F-A, S-B
MARINE POLLUTANT	No.	UN NO. AIR	3264
AIR CLASS	8	AIR PACK GR.	II

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TDG CLASS

8

TDG LABEL(S)

8

TDG PACKING GROUP

II

15 REGULATORY INFORMATION**INVENTORIES**

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
NITRIC ACID ...%	DSL	Yes.	EINECS	Yes.	N/A.	N/A.	N/A.	N/A.
ORTHOPERIODIC ACID	DSL	Yes.	EINECS	Yes.	N/A.	N/A.	N/A.	N/A.

COMPONENT	TSCA 12(b) Export Notification
NITRIC ACID ...%	No.
ORTHOPERIODIC ACID	No.

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
NITRIC ACID ...%	1 000 lbs	1 000 lbs	Yes.
ORTHOPERIODIC ACID	Not listed	100 lbs	No.

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
NITRIC ACID ...%	Not Listed
ORTHOPERIODIC ACID	Not Listed

STATE REGULATIONS COMMENTS

State and local regulations may apply.

REGULATORY STATUS (US)

This Product is Hazardous under the OSHA Hazard Communication Standard. PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required.

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM -WHMIS**LABEL(S) FOR SUPPLY**

Corrosive
Material.

CONTROLLED PRODUCT CLASSIFICATION

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information. Canadian WHMIS Classification E

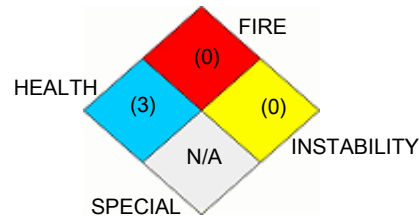
16 OTHER INFORMATION**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

HEALTH	3
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	C

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ECO-RECLAIM 300

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



REVISION DATE

11/02/2010

VERSION No.

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DISCLAIMER

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.