



RUST PREVENT SYN 1-X

HMIS		NFPA	Personal protective equipment	
Health	2	2	 	
Fire Hazard	0	0		
Reactivity	0	0		

Version Number: 1

Preparation date: 2005-08-01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: RUST PREVENT SYN 1-X
MSDS #: 11639_HX
Product code: 11639100, 11639470
Recommended use: Synthetic cleaner and rust inhibitor fluid.

Manufacturer, importer, supplier:
 JohnsonDiversey, Inc.
 3630 E. Kemper Rd.
 Cincinnati, OH 45241
 Phone: 1-800-438-2647

Canadian Headquarters
 JohnsonDiversey - Canada, Inc.
 2401 Bristol Circle
 Oakville, Ontario L6H 6P1
 Phone: 1-800-668-3131

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION. MAY CAUSE EYE IRRITATION. MAY BE MILDLY IRRITATING TO SKIN.

Principle routes of exposure: Skin contact. Eye contact. Inhalation.
Skin contact: May be mildly irritating to skin.
Eye contact: Moderately irritating to the eyes.
Inhalation: May be irritating to nose, throat, and respiratory tract.
Ingestion: May be irritating to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Monoethanolamine	141-43-5	0.1 - 1.5%	1720 mg/kg (rat)	1 mL/kg (rabbit)	Not available

4. FIRST AID MEASURES

Eye contact: Flush immediately with plenty of water. If irritation persists, get medical attention.
Skin contact: Flush immediately with plenty of water. Get medical attention if irritation occurs.
Inhalation: If breathing is affected, remove to fresh air. Get medical attention.
Ingestion: Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention.
Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.
Specific hazards: Not applicable
Unusual hazards: None known
Specific methods: No special methods required

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Put on appropriate personal protective equipment (see Section 8.). Contaminated surfaces will be extremely slippery.
Environmental precautions and clean-up methods:	Clean-up methods - large spillage. Prevent product from entering drains. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. FOR COMMERCIAL AND INDUSTRIAL USE ONLY

Storage:

Protect from freezing . Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels .

Personal Protective Equipment

Eye protection:	Safety glasses.
Hand protection:	Chemical resistant gloves.
Skin and body protection:	No special requirements under normal use conditions. If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection:	If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure . A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice

Ingredient	CAS #	ACGIH	OSHA	Mexico
Monoethanolamine	141-43-5	6 ppm (STEL) 3 ppm (TWA)	6 mg/m ³ 3 ppm	15 mg/m ³ (STEL) 8 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	Aqueous solution
Color:	Amber	Boiling point/range:	Not determined
Odor:	No information available	Melting point/range:	Not determined
Specific gravity:	1.07	pH:	10.5
Dilution pH:	9.5	Density:	No information available
Bulk density:	No information available	Decomposition temperature:	Not determined
Vapor density:	No information available	Autoignition temperature:	No information available
Evaporation rate:	No information available	Solubility:	Soluble
Solubility in other solvents:	No information available	VOC:	2.24%
Viscosity:	No information available	Flash point:	>200 (°F) >93.3 (°C)
Partition coefficient (n-octanol/water):	No information available		

10. STABILITY AND REACTIVITY

Stability:	The product is stable
Polymerization:	Hazardous polymerisation does not occur
Hazardous decomposition products:	Oxides of carbon . Nitrogen oxides (NOx) .
Materials to avoid:	Strong acids. Oxidising agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral, LD50 estimated to be greater than 5000 mg/kg.
Component Information:	See Section 3
Chronic toxicity:	Animal oral toxicity studies in a number of species, at high doses, suggest that borates cause reproductive and developmental effects .
Specific effects	
Carcinogenic effects:	None known
Mutagenic effects:	None known
Reproductive toxicity:	Animal oral toxicity studies in a number of species, at high doses, suggest that borates cause reproductive and developmental effects .
Target organ effects:	None known

12. ECOLOGICAL INFORMATION

Environmental Information: When used for its intended purpose this product should not cause adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of according to all federal, state and local applicable regulations

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Australia (AICS), Philippines (PICCS), China (IECSC).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Water	7732-18-5	-	-	-	-	-	-
Tetrapotassium pyrophosphate	7320-34-5	-	-	-	-	-	-
Monoethanolamine borate	26038-87-9	-	-	-	-	-	-

CERCLA / SARA

None

CAA HAP/CAA ODS/CWA Priority Pollutants: None

SARA 311/312 Hazard Categories

Immediate: Y
Delayed: Y
Fire: N
Reactivity: N
Sudden Release of Pressure: N

Canada

WHMIS hazard class: D2B Toxic materials .



16. OTHER INFORMATION

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: None

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