



NATRASOLVE GENERAL PURPOSE CLEANER/DEGREASER

HMIS		NFPA	Personal protective equipment
Health	3	3	
Fire Hazard	2	2	
Reactivity	0	0	

Version Number: 1

Preparation date: 2006-04-12

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: NATRASOLVE GENERAL PURPOSE CLEANER/DEGREASER

MSDS #: 114515001

Product code: 114515001, 114515X, 04529

Recommended use: Cleaning product.

Manufacturer, importer, supplier:
 US Headquarters: Canadian Headquarters
 JohnsonDiversey, Inc. JohnsonDiversey - Canada, Inc.
 8310 16th St. 2401 Bristol Circle
 Sturtevant, Wisconsin 53177-0902 Oakville, Ontario L6H 6P1
 Phone: 1-888-352-2249 Phone: 1-800-668-3131
 MSDS Internet Address: www.johnsondiversev.com

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

DANGER. CORROSIVE. CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED. COMBUSTIBLE LIQUID AND VAPOR.

Principle routes of exposure: Eye contact. Skin contact. Inhalation.

Eye contact: Corrosive. Causes permanent eye damage, including blindness.

Skin contact: Corrosive. Causes permanent damage.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Sodium metasilicate.	6834-92-0	1 - 5%	= 600 mg/kg	Not available .	Not available .
D-limonene.	5989-27-5	1 - 5%	= 4400 mg/kg	> 2000 mg/kg	Not available .

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for at least 15-20 minutes, keeping eyelids open. Get medical attention immediately.

Skin contact: Flush immediately with plenty of water for at least 15-20 minutes. Get medical attention immediately.

Inhalation: If breathing is affected, remove to fresh air. Get medical attention immediately.

Ingestion: If swallowed, give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO2, water spray or "alcohol" foam.

Specific hazards: Not applicable.

Unusual hazards: Corrosive material (See sections 8 and 10).

Specific methods: Use water spray to keep fire-exposed containers cool.

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.

5. FIRE-FIGHTING MEASURES

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.
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. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. COMBUSTIBLE LIQUID AND VAPOR . Keep away from open flames, hot surfaces and sources of ignition. Use only in well-ventilated areas. 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. Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection: Chemical splash goggles.
Hand protection: Chemical resistant gloves
Skin and body protection: Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Bulk density:	8.82
pH:	12.5	Dilution pH:	No information available.
Appearance:	Liquid	Vapor density:	No information available.
Color:	Clear Yellow	Evaporation Rate	No information available.
Odor:	Citrus	Boiling point/range:	Not determined.
Specific gravity:	1.00	Melting point/range:	Not determined.
Density:	1.00	Decomposition temperature:	Not determined.
VOC:	3	Autoignition temperature:	No information available.
Flash point:	124 (°F) 53 (°C)	Viscosity:	No information available.
Solubility:	Soluble	Partition coefficient (n-octanol/water):	No information available.
		Solubility in other solvents:	No information available.

Elemental Phosphorous: 0

10. STABILITY AND REACTIVITY

Stability: The product is stable..
Polymerization: Hazardous polymerization does not occur..
Hazardous decomposition products: None reasonably foreseeable.
Materials to avoid: Acids.
Conditions to avoid: Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Corrosive Oral LD50 estimated to be greater than 5000 mg/kg
Component Information: See Section 3.

Chronic toxicity: None known.

Specific effects

Carcinogenic effects: None known.
Mutagenic effects: None known.
Reproductive toxicity: None known.
Target organ effects: None known.

12. ECOLOGICAL INFORMATION

Environmental Information: No data available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

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

RCRA Hazard Class: D001, D002

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), Europe (EINECS/ELINCS/NLP).

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(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water.	7732-18-5	-.	-.	-.	-.
Sodium metasilicate.	6834-92-0	-.	-.	-.	-.
Ethoxylated alkylphenol.	68412-54-4	-.	-.	-.	-.
Potassium salt of dibasic fatty acid.	68127-33-3	-.	-.	-.	-.
D-limonene.	5989-27-5	-.	-.	-.	-.

CERCLA/ SARA

SARA 311/312 Hazard Categories

Immediate: Y
Fire: Y

Canada

WHMIS hazard class: B3 Combustible liquid , E Corrosive material .



Ingredient(s)	CAS #	NPRI
Ethoxylated alkylphenol.	68412-54-4	X
D-limonene.	5989-27-5	X

16. OTHER INFORMATION

Reason for revision: Not applicable.
Prepared by: NAPRAC.
Additional advice: None.

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