

CU1015

## MATERIAL SAFETY DATA SHEET



## Natrasolve

HMIS		NFPA	Personal protective equipment	
Health	3	3		
Fire Hazard	1	1		
Reactivity	0	0		

Version Number: 4

Preparation date: 2008-03-20

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Natrasolve  
**MSDS #:** MS0100937  
**Product Code:** 04529  
**Recommended use:** Cleaning product. This product is intended to be diluted prior to use.

**Manufacturer, importer, supplier:**

US Headquarters  
 JohnsonDiversey, Inc.  
 8310 16th St.  
 Sturtevant, Wisconsin 53177-0902  
 Phone: 1-888-352-2249  
 MSDS Internet Address:  
 www.johnsondiversevy.com

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**

**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 ingredients**

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Sodium silicate	1344-09-8	1 - 5%	1153	Not available	Not available
D-limonene	5989-27-5	1 - 5%	4400	>2000 mg/kg	Not available
Sodium dodecylbenzene sulfonate	25155-30-0	1 - 5%	438	Not available	Not available
Myrcene	123-35-3	0.1 - 1.5%	Not available	Not available	Not available
Sodium hydroxide	1310-73-2	1 - 5%	140	1350 mg/kg	Not available

## 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with running water for 15-20 minutes, keeping eyelids open. Get medical attention immediately.  
**Skin contact:** Immediately flush with plenty of water for 15-20 minutes. Get medical attention immediately.  
**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention immediately.  
**Ingestion:** If swallowed, rinse mouth. 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:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.  
**Specific hazards:** Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion.

## 5. FIRE-FIGHTING MEASURES

**Unusual hazards:** Corrosive material (See sections 8 and 10).  
**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:** Use personal protective equipment  
**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Eliminate all ignition sources. 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. Mix only with water. Do not mix with any other product or chemical. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

### Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF 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

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup> (Ceiling)	2 mg/m <sup>3</sup> (TWA)	2 mg/m <sup>3</sup> (Ceiling)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Bulk density:</b>	No information available
<b>pH:</b>	12.9	<b>Dilution pH:</b>	12.9 (1:20)
<b>Appearance:</b>	Liquid	<b>Vapor density:</b>	No information available
<b>Color:</b>	Yellow Orange	<b>Evaporation Rate</b>	No information available
<b>Odor:</b>	Citrus	<b>Boiling point/range:</b>	Not determined
<b>Specific gravity:</b>	1.03	<b>Melting point/range:</b>	Not determined
<b>Density:</b>	8.62 lbs/gal	<b>Decomposition temperature:</b>	Not determined
<b>VOC:</b>	4.75% *	<b>Autoignition temperature:</b>	No information available
<b>Flash point:</b>	133°F 56.1°C	<b>Partition coefficient (n-octanol/water):</b>	No information available
<b>Solubility:</b>	completely soluble	<b>Solubility in other solvents:</b>	No information available
<b>Viscosity:</b>	No information available	<b>Elemental Phosphorus:</b>	0 %P

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 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. Oxidising agents.  
**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 Dermal LD50 estimated to be > 2000 mg/kg

**11. TOXICOLOGICAL INFORMATION**

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), Australia (AICS), Philippines (PICCS), New Zealand (NZIoC), 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(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
D-limonene	5989-27-5	-	X	-	-
Alcohol ethoxylates	68439-46-3	-	-	-	-
Sodium dodecylbenzene sulfonate	25155-30-0	X	X	X	-
Sodium silicate	1344-09-8	-	-	-	-
Myrcene	123-35-3	-	-	-	-
Sodium hydroxide	1310-73-2	X	X	X	X

**CERCLA/ SARA**

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium dodecylbenzene sulfonate	25155-30-0	1 - 5%	1000		
Sodium hydroxide	1310-73-2	1 - 5%	1000		

**SARA 311/312 Hazard Categories**

Immediate: X  
Delayed: -  
Fire: X  
Reactivity: -  
Sudden Release of Pressure: -

**Canada**

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

**16. OTHER INFORMATION**

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: None

## 16. OTHER INFORMATION

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