

MATERIAL SAFETY DATA SHEET



Divosan Hypochlorite VT3

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

Version Number: 1

Preparation date: 2006-05-24

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Divosan Hypochlorite VT3

MSDS #: MS0100734

Product code: 57465100, 57465330, 57465010, 57465150

Recommended use: Sanitizer. Industrial/Institutional. This product is intended to be diluted prior to use.

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

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 IRREVERSIBLE EYE DAMAGE. CAUSES SKIN BURNS. HARMFUL IF SWALLOWED. Avoid breathing vapors or mists.

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 hypochlorite	7681-52-9	5.775	= 8200 mg/kg	> 10000 mg/kg	Not available

4. FIRST AID MEASURES

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention immediately.

Skin contact: Take off contaminated clothing. Rinse skin immediately 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: Call medical attendant, doctor, or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

Notes to physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

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: Dry chemical, water spray, foam, carbon dioxide.

Specific hazards: Not applicable

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

Specific methods: No special methods required

5. FIRE-FIGHTING MEASURES

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:

Use appropriate containment to avoid environmental contamination. 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. Avoid prolonged or repeated contact with skin. Wear rubber gloves if this may occur. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

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

pH: 12.2

Appearance: Aqueous solution

Color: Yellow

Odor: Chlorine

Specific gravity: 1.08

Density: 9.00 lbs/gal

VOC: No information available

Flash point: >200 (°F) >93.3 (°C)

Solubility: Soluble

Viscosity: No information available

Bulk density: No information available

Dilution pH: 12 (1:100)

Vapor density: No information available

Evaporation Rate: No information available

Boiling point/range: Not determined

Melting point/range: Not determined

Decomposition temperature: Not determined

Autoignition temperature: No information available

Partition coefficient (n-octanol/water): No information available

Solubility in other solvents: No information available

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. Ammonia. Do not mix with any other product or chemical. Do not mix with acids or acid detergents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Corrosive. Oral LD50 estimated to be greater than 5000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg.

Component Information:

See Section 3

Chronic toxicity:

None known

11. TOXICOLOGICAL INFORMATION

Specific effects

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

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	NTP	IARC	OSHA
Sodium hypochlorite	7681-52-9		3	

12. ECOLOGICAL INFORMATION

Environmental Information:

Toxic to fish and other water organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal

Pesticide Storage:

Store this product in a cool, dry area, away from direct sunlight and heat to avoid deterioration.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.

Container Disposal:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities burn. If burned, stay out of smoke.

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).

U.S. Regulations

EPA Reg. No. : 875-93

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:
Sodium hypochlorite	7681-52-9	X	X	-	-

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium hypochlorite	7681-52-9	5.775	100		

SARA 311/312 Hazard Categories

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

16. OTHER INFORMATION

Reason for revision:

Not applicable

Prepared by:

NAPRAC

Additional advice:

This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chlorine.

16. OTHER INFORMATION

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