

VARI-CLEAN 100S

MSDS ID: 11068

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: VARI-CLEAN 100S

Product Descriptor: SOLVENTIZED PRESS FABRIC CLEANING CONCENTRATE

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
D-LIMONENE	5989-27-5	>30%	None Established	
DIPROPYLENE GLY. METHYL ETHER	34590-94-8	5 - 15%	TWA 606 STEL 909	MG/M3 (skin)

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: MAY CAUSE ALLERGIC SKIN REACTION. Avoid prolonged or repeated contact with skin. Wear rubber gloves if this may occur. Wash thoroughly after handling. Contains d-limonene.

POSSIBLE ROUTES OF ENTRY: Eye contact. Skin contact. Inhalation. Ingestion.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: May be mildly irritating to eyes. SKIN: Irritation with dryness or itching may develop with pain and redness. INGESTION: HARMFUL IF SWALLOWED. May be irritating to mouth, throat and stomach. Aspiration into the lungs may cause chemical pneumonitis. INHALATION: Overexposure to vapors may cause dizziness, headache, fatigue and respiratory irritation.

CHRONIC: (Glycol Ethers) Decreased liver function. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis or sensitive skin. Circulatory and CNS functions.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin and stomach.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush skin with plenty of water and wash with mild soap. If irritation develops, get medical attention.

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.

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IV. FIRST AID MEASURES (Cont.)

INHALATION: Remove to fresh air and seek medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): 120F FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/E UEL: N/E
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: COMBUSTIBLE. Avoid sparks or open flames.
Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water, water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: COMBUSTIBLE PRODUCT. Do not store near heat, sparks or open flames. Keep container closed when not in use. Product may accumulate a static charge. Use proper grounding during storage or emptying container.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Chemical goggles if contact or splash hazard exists.
PROTECTIVE GLOVES: Acid resistant.
RESPIRATORY PROTECTION: Not normally required. If mist is generated, use NIOSH/MSHA aproved respirator with a prefilter for mist.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Eyewash and safety shower in area if contact or splash hazard exists.
ENGINEERING CONTROLS:
VENTILATION: Good general ventilation should be sufficient to control airborne levels.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Dark brown liquid, mild orange odor.

BOILING POINT (DEG F): 212F FREEZING POINT: <50F
SPECIFIC GRAVITY/BULK DENSITY: 0.97
pH: 2.5 pH 1% SOLUTION: N/D

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IX. PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

VOLATILE BY VOLUME: 60%

SOLUBILITY IN WATER: Insoluble

VAPOR PRESSURE(mmHg): 2 at 20C VAPOR DENSITY: 4.7

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon; oxides of sulfur

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

TOXICITY TEST DATA:

Dipropylene Glycol Monomethyl Ether:

Acute Oral LD50 (rat) - >2gm/kg

Acute Dermal LD50 (rabbit) - 5.3 gm/kg

Acute Inhalation LC50 (rat) - >200 mg/l (1 hr.)

Irritation (rabbit) - Irritant to eyes and skin

Alcohol Ethoxylates (CAS# 68439-46-3):

Acute Oral LD50 (rat) 1.4 gm/kg

Acute Dermal LD50 (rabbit) 5 gm/kg

Eye Irritation (rabbit) Severe

Skin Irritation (rabbit) Draize 1.2 (4 hrs.)

D-Limonene:

Acute Oral LD50 (rat) >5 gm/kg

Acute Dermal LD50 (rabbit) >5 gm/kg

Eye Irritation: severe

Skin Irritation: severe

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Product is considered to be D001 - Igniteable, if declared hazardous waste.

Spent or excess product is hazardous waste. Do not discharge to sewer or environment. Arrange disposal through a licensed disposal company or treat by special Waste Disposal Sheet. Recycle or dispose of containers by product labeling or governmental regulations.

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XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: None

VOC CONTENT (EPA Method 24A): % VOC: 48.3% Lb/Gal VOC: 3.9

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

Product contain Glycol Ethers at 7.8%, which are SARA Reportable.

SARA Section 311/312:

ACUTE:YES CHRONIC:YES FIRE:YES REACTIVITY:NO

SUDDEN RELEASE OF PRESSURE:NO

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATINGS: HEALTH: 2 FIRE: 2 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: B

NFPA RATING: HEALTH: 2 FIRE: 2 REACTIVITY:0 SPECIAL:None

STATE RIGHT-TO-KNOW INFORMATION:

D-LIMONENE - CAS #5989-27-5

LINEAR ALKYL BENZENE SULFONIC ACID - CAS #68584-22-5

LINEAR ALCOHOL ETHOXYLATE - CAS #68439-46-3

DIPROPYLENE GLYCOL METHYL ETHER - CAS #34590-94-8

New Jersey Trade Secret - NJ-TSRN-DL-0052

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.