



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 57227

PRODUCT NAME: SUMA STAR D1

USE: Hand dishwashing liquid

SUPPLIER:

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B

CHEMICAL FAMILY: surfactant

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium Alcohol Ethoxy Sulfate	5-10	068891-38-3	LD50 >4950 mg/kg	oral/rat
Neutralized dodecylbenzene sulfonate	1-5	Not available	N/A	
Ethyl alcohol	0.1-1	000064-17-5	LD50 7060 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Not required

Eye: Not required

Footwear: Not required

Respiratory: Not required

Other: Not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Not applicable

VENTILATION REQUIREMENTS: General ventilation

INCOMPATIBILITY (Material to Avoid): Oxidizing materials

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal

WASTE DISPOSAL: Dispose of according to municipal, provincial, and federal regulations

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Avoid freezing

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear green liquid

S.G. / BULK DENSITY(g/cc): 1.03

pH: (concentrate) 5.5

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not available

BOILING POINT: not available

FREEZING POINT: approx. 0°C

PERCENT VOLATILE: 81%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): not available

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause irritation

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: May cause severe irritation of the digestive tract.

INHALATION: No serious or irreversible effects expected.	
LD50 (calculated): 4950 mg/kg	LC50 (calculated): not applicable
OTHER TOXIC EFFECTS: TWA (ethanol alcohol): 1000 ppm	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: none known	
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
SKIN:	Flush affected area thoroughly with water.
INGESTION:	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.
INHALATION:	not applicable
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Ap
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, sulphur.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: freezing	
INCOMPATIBILITY (Material to Avoid) : Oxidizing materials	
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with oxidizing materials	
REACTIVITY: Not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, MSDS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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