



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 57282

PRODUCT NAME: SUMA STAR PLUS 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 dodecylbenzene sulfonate	10-30	025155-30-0	LD50 1260 mg/kg	oral/rat
Ammonium lauryl ether sulphate	3-7	032612-48-9	LD50 630 mg/kg	oral/rat
Linear alcohol ethoxylate	3-7	068439-46-3	LD50 1200 mg/kg	oral/rat
Methyl alcohol	1-5	000067-56-1	LD50 5628 mg/kg	oral/rat
Ethyl alcohol	1-5	000064-17-5	LD50 7060 mg/kg	oral/rat
Coco diethanolamide	1-5	068603-42-9	LD50 5000 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, viscous yellow liquid.**S.G. / BULK DENSITY(g/cc):** 1.10**pH:** (concentrate) 6.5**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:** 45%**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): 2500 mg/kg	LC50 (calculated): not applicable
OTHER TOXIC EFFECTS: none known	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: TLV: TWA (ethanol): 1000 ppm (1880 mg/m3); (methanol: 200 ppm (260 mg/m3)	
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, nitrogen, 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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