
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

SUMA STAR PLUS - D1+

MSDS ID: 57282272

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SUMA STAR PLUS - D1+
Product Descriptor: HAND DISHWASHING LIQUID
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

NONE				

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
CAUTION - Contains cleaning agents that may cause eye and respiratory irritation. May be harmful if swallowed. Avoid contact with eyes or clothing and breathing of mists. Prolonged contact with undiluted product may cause skin irritation.
POSSIBLE ROUTES OF ENTRY: Ingestion

SIGNS AND SYMPTOMS OF OVEREXPOSURE
ACUTE: EYES: May cause eye irritation. SKIN: May cause skin irritation.
INGESTION: If swallowed, gastric distress, diarrhea, nausea and vomiting may occur. INHALATION: May cause irritation of respiratory tract.
CHRONIC: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis or sensitive skin.

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

IV. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. If irritation or redness develop, get medical attention.
SKIN: Flush skin with plenty of water and wash with mild soap. If irritation develops, get medical attention.
INGESTION: Do not take internally. If swallowed, drink several glasses of water. Do not induce vomiting. Contact a physician or Poison Control Center. NOTE: Never give fluids by mouth to an unconscious person.
INHALATION: Remove to fresh air and seek medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): N/A FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: NONE UEL: NONE
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: None known.
EXTINGUISHING MEDIA: Flood with water.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure

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V. FIRE FIGHTING MEASURES (Cont.)

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: Store in a cool, dry area. Keep from freezing. If frozen, return to producing plant. Keep container closed when not in use.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Chemical goggles if contact or splash hazard exists.
PROTECTIVE GLOVES: Liquid proof rubber or neoprene gloves. Avoid cotton, wool and leather.
RESPIRATORY PROTECTION: Not normally required.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Not normally required.
ENGINEERING CONTROLS:
VENTILATION: None required.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Dark yellow lemon liquid.

BOILING POINT (DEG F): 195F	FREEZING POINT: Not determined
SPECIFIC GRAVITY/BULK DENSITY: 1.05	
pH: 6.5	pH 1% SOLUTION: Not determined
VOLATILE BY VOLUME: <60	
SOLUBILITY IN WATER: Soluble	
VAPOR PRESSURE(mmHg): 17.5 at 20C	VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.
INCOMPATIBILITY WITH OTHER MATERIALS: None known
HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon; oxides of sulfur
HAZARDOUS POLYMERIZATION: None known.

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XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: No data available.
TOXICITY TEST DATA:
No data available.

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:
No data available.
ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not regulated
Dispose in accordance with Federal, State and Local regulations.

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: N/A Lb/Gal VOC: N/A
CERCLA/EPCRA:
Section 313 Toxic Chemicals:
None
SARA Section 311/312:
ACUTE:NO CHRONIC:NO FIRE:NO REACTIVITY:NO
SUDDEN RELEASE OF PRESSURE:NO
LISTED CARCINOGEN: None
NTP: No IARC: No OSHA: No
HMIS RATINGS: HEALTH: 1 FIRE: 0 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: B
NFPA RATING: HEALTH: 1 FIRE: 0 REACTIVITY:0 SPECIAL:None
STATE RIGHT-TO-KNOW INFORMATION:
WATER - CAS #7732-18-5
DODECYLBENZENE SULFONIC ACID - CAS #27176-87-0
SODIUM METHYL ESTER SULFONATE - CAS #149456-07-01
AMMONIUM LAURYL ETHER SULPHATE - CAS #32612-48-9
LINEAR ALCOHOL ETHOXYLATE - CAS #68379-46-3
CALIFORNIA PROPOSITION 65:
None of ingredients on California Proposition 65 Statement.

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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.