



MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY INFORMATION

TRADE NAME: Emulsify
CHEMICAL FAMILY: Laundry Solvent

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Version: 2

HCS (Division of Washing Systems, LLC)
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II. HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as **HAZARDOUS** in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>EXPOSURE LIMIT</u>
Ethoxylated Alcohol	Nonionic Surfactant	UNK
Naphtha (Petroleum), Heavy Alkylate	Aliphatic Hydrocarbons	UNK

III. PHYSICAL/CHEMICAL CHARACTERISTICS

<u>APPEARANCE & ODOR</u>	<u>VAPOR DENSITY (AIR=1)</u>	<u>BOILING POINT</u>	<u>SOLUBILITY IN WATER</u>
Clear Colorless Liquid, Citrus Odor	UNK	UNK	Emulsifies
<u>SPECIFIC GRAVITY</u>	<u>EVAPORATION RATE (N-Butyl Acetate=1)</u>	<u>VAPOR PRESSURE (mmHg)</u>	<u>MELTING POINT</u>
0.805	UNK	UNK	N/A

IV. FIRE AND EXPLOSION DATA

<u>FLASHPOINT</u>	<u>FLAMMABLE LIMITS (lower limit) (upper limit)</u>	<u>AUTO IGNITION TEMP</u>
>145°F	UNK UNK	UNK

EXTINGUISHING AGENTS: Alcohol Foam, Water Fog, Carbon Dioxide, or Dry Chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

V. REACTIVITY DATA

<u>STABILITY</u>	<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	<u>MATERIALS TO AVOID</u>	<u>HAZARDOUS POLYMERIZATION</u>
Stable	May liberate carbon monoxide and carbon dioxide.	None known.	Will not occur.

VI. HEALTH HAZARD DATA

SKIN:	<u>ACUTE</u>	Exposure may cause mild skin irritation. Skin absorption is possible upon prolonged contact.
	<u>CHRONIC</u>	Can be fatal by overexposure.
EYES:	<u>ACUTE</u>	Causes severe eye irritation.
	<u>CHRONIC</u>	None Known
INHALATION:	<u>ACUTE</u>	May be irritating to nose, throat, and respiratory tract.
	<u>CHRONIC</u>	Can be fatal by overexposure.
INGESTION:	<u>ACUTE</u>	May be irritating to mouth, throat, and stomach. Aspiration into the lungs may cause chemical pneumonitis.
	<u>CHRONIC</u>	Can be fatal by overexposure.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None known..

CARCINOGENICITY

OSHA: NO

IARC MONOGRAPHS: NO

NTP: NO

EMERGENCY AND FIRST AID PROCEDURES

SKIN:	Immediately flush area with plenty of cool water. If irritation develops, consult a physician.
EYES:	Immediately flush thoroughly with cool water under low pressure for at least 15 minutes, holding lids apart and moving eye to ensure flushing of the entire surface. Call a physician.
INHALATION:	Remove from contaminated atmosphere. If breathing stops, administer artificial respiration. Get medical attention.
INGESTION:	Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. If conscious, give sips of water or milk. If vomiting occurs spontaneously, keep airway clear. Call a physician immediately.

VII. SPILL OR LEAK PROCEDURES

Dike to contain spill and prevent entry into sewers, waterways, and low areas. Soak up pooled liquids with a suitable absorbent (e.g., clay, fullers earth, etc.). Sweep up absorbed material and dispose of in a manner approved by local, state, and federal regulations. Flush spill area with water. Contains no phosphates.

SPECIAL PRECAUTIONS

Store in a cool, dry, well-ventilated area away from oxidizers, alkalis, heat, sparks, and open flame. Keep containers closed when not in use. Emptied containers can still be a hazard due to residual liquid and vapor.

VIII. CONTROL MEASURES

<u>RESPIRATORY PROTECTION</u>	<u>EYE PROTECTION</u>	<u>PROTECTIVE GLOVES</u>	<u>OTHER PROTECTIVE EQUIPMENT</u>
None	Safety Goggles	Rubber	Impervious clothing and shoes
	<u>VENTILATION:</u> <u>Mechanical</u>	<u>Local</u>	<u>Special</u>
	Normal air dilution	None	None

N/A = Not Applicable

PEL = Permissible Exposure Limit

TLV = Threshold Limit Value

TCC = Tag Closed Cup

UNK = Unknown at This Time

EMULSIFY