

EMULSIFIABLE DEGREASER

Material Safety Data Sheet

SECTION I - COMPANY IDENTIFICATION

PRODUCT: Emulsifiable Degreaser

CAT. NO.: D220

DISTRIBUTED BY:

Virginia KMP Corporation
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Dallas, Texas 75237

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SECTION II - HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)

EXPOSURE LIMITS: 8 HR. TWA

	OSHA PEL	ACGIH TLV
Dipropylene Glycol Methyl Ether (34590-94-8) (1-10%)	100	100
Surfactant (nonionic) (9016-45-9) (1-10%)		LD 3500-4500 mg/kg
1,1,1, Trichloroethane (71-55-6) (20.8%)*	350	350
Aliphatic Hydrocarbon (64742-47-8) (11-30%)	-	300
Heavy Naphtha (64742-48-9) (11-30%)	-	400
Isobutane (75-28-5) (11-30%)	-	800
Propane (74-98-6) (1-10%)	1000	-

* A chemical known to the State of California to cause birth defects or other reproductive harm.

SECTION III - HAZARDS IDENTIFICATIONS

EMERGENCY OVERVIEW:

DANGER! Flammable. Harmful or fatal if swallowed. Vapor harmful. Aerosol, contents under pressure. Irritating to eyes, skin, mucous membranes, and respiratory tract.

POTENTIAL HEALTH EFFECTS:

INHALATION: Respiratory tract irritant. May cause headache, dizziness or unconsciousness.

EYE CONTACT: Vapors and liquids may be irritating to eyes. Possible corneal injury.

SKIN CONTACT: May be irritant to skin. Prolonged or repeated contact may cause defatting and/or dermatitis.

INGESTION: Low single dose toxicity.

CHRONIC Effects: (Effects due to excessive exposure to the raw materials of this mixture) May cause liver abnormalities, kidney and liver damage. Intentional misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

CARCINOGENICITY: LISTED IN NTP? No

IARC? No

OSHA Regulated? Yes
1910.1000 Table Z-2

SECTION IV - FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, apply artificial respiration and administer oxygen. Keep victim warm. Seek medical advice.

EYE CONTACT: Flush with large amounts of running water for 15 minutes occasionally lifting lower and upper eyelids. Seek medical advice.

SKIN CONTACT: Wash exposed area with soap and water. Remove contaminated clothing. Seek medical advice if symptoms develop.

INGESTION: Give water. Do NOT induce vomiting. Aspiration into lungs may cause chemical pneumonia. Seek immediate medical attention. Do not give anything by mouth to an unconscious person. If spontaneous vomiting occurs, keep head below hips.

SECTION V - FIRE FIGHTING MEASURES

FLASHPOINT (TEST METHOD): -50°F (TCC)

FLAMMABLE LIMITS: LOWER: 1 UPPER: 13

AUTOIGNITION TEMPERATURE(non-aerosol i.e. base stock): Not Applicable

GENERAL HAZARD: WARNING! Product under pressure, may explode from excessive heat. Water may be ineffective to fight fire. Toxic gases may be produced in fire.

FIRE FIGHTING INSTRUCTIONS: Do not enter without full bunker of equipment including self contained breathing apparatus. Stay upwind, keep all personnel away. Cool fire exposed containers with water.

EXTINGUISHING MEDIA: Use carbon dioxide, dry chemical or foam.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes, small amounts of halogen acids and oxides of carbon.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Ventilate and isolate hazard area. Remove all sources of ignition. Keep unnecessary and unprotected personnel away. Clean up spills and leaks immediately to prevent soil and water contamination.

LAND SPILL: Absorb spill with inert, non-combustible material, then place in a chemical waste container.

WATER SPILL: Collect and store in a chemical waste container.

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SECTION VII - HANDLING AND STORAGE

HANDLING: Use with adequate ventilation. Avoid skin/eye contact and breathing vapors. Do not smoke while spraying. DO NOT CUT, WELD, BRAZE, SOLDER, DRILL, OR EXPOSE TO HEAT, FLAME, SPARKS AND/OR STATIC ELECTRICITY. Intentional misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

STORAGE: Store in a cool, dry place away from heat (< 120°F.), ignition sources, oxidizers, and strong acids and bases.

SECTION VIII - EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS: Adequate ventilation to control vapor accumulation.

PERSONAL PROTECTION: f TLV exceeded, NIOSH approved respirator. Wear safety glasses or chemical goggles or full face shield and chemical impervious apron to protect from splashing. Wear chemical impervious gloves. Wash clothing before reuse.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE: psig @ 70°F (aerosols): 45-50 psig

SPECIFIC GRAVITY: <1

SOLUBILITY IN WATER: Soluble

FREEZING POINT: Not Applicable

APPEARANCE & ODOR: Clear water white/ Ethereal odor.

VAPOR DENSITY (Air=1) : >1

EVAPORATION RATE (ETHER=1): <1

pH: NA

BOILING POINT: Not Applicable

% VOLATILE BY VOLUME: >99%

SECTION X - STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: .Open flames, sparks, electrical arcs.

MATERIALS TO AVOID: .Alkali materials, mineral acids and oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, fumes, small amounts of halogen acids and oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

Surfactant (nonionic) (9016-45-9) (1-10%)

LD 3500-4500 mg/kg

SECTION XII - ECOLOGICAL INFORMATION

No Data Available.

SECTION XIII - DISPOSAL CONSIDERATIONS

Classification of waste required before disposal. Do not puncture or incinerate. Follow all local, state, and federal regulations. Aerosol cans when vented to atmosphere pressure through normal use, pose no disposal hazard. Full or partially filled containers are considered hazardous waste.

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Consumer Commodity, ORM-D

HAZARD CLASS: Not Applicable

IDENTIFICATION NUMBER: Not Applicable

DOT Emergency Guide #: Not Applicable

Reportable Quantity (RQ): Not Applicable

International: Aerosol Dispensers, 9 UN1950, IMDG 9022

SECTION XV - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): 1 1 1 Trichloroethane, 1000 lbs.

SARA TITLE III (Superfund Amendments and Reauthorization Act

311/312 Hazard Categories: Acute, Flammability, Pressure

313 Reportable Ingredients: 1,1,1,-Trichloroethane (71-55-6) 20.8%

CLEAN AIR ACT: 1,1,1-Trichloroethane

SECTION XVI - OTHER INFORMATION

State Right-to-Know Programs: Massachusetts, Pennsylvania, California Prop. 65.

NFPA Ratings

Health: 3

Flammability: 4

Reactivity: 1

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HMIS Protective Equipment: X See your supervisor

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