

VIRGINIA D10e DEGREASING SOLVENT

Material Safety Data Sheet

SECTION I - COMPANY IDENTIFICATION

PRODUCT: D10e - Degreasing Solvent Aerosol

CAT. NO.: D10e14

MANUFACTURED BY:

Virginia KMP Corporation
4100 Platinum Way
Dallas, Texas 75237

TELEPHONE NUMBERS:

Office: 1-(214) 330-7731
Emergency Only: 1-(800) 424-9300

SECTION II - HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)

*Medium aliphatic solvent naphtha (CAS# 64742-88-7)

Propylene glycol propyl ether (CAS# 1569-01-3)

n-Methyl pyrrolidone (CAS# 872-50-4)

Monoethanolamine (CAS# 141-43-5)

*Aromatic hydrocarbon mixture exact composition may vary.

EXPOSURE LIMITS: 8 HR. TWA

OSHA PEL

100 ppm

None established

None established

3 ppm

ACGIH TLV

100 ppm recommended

25 ppm

100 ppm recommended

3 ppm

SECTION III - HAZARDS IDENTIFICATIONS

EMERGENCY OVERVIEW:

WARNING! Flammable Aerosol.

Irritating to eyes, skin, mucous membranes, and respiratory tract.

POTENTIAL HEALTH EFFECTS:

INHALATION: Irritating to respiratory tract, may cause difficult breathing on prolonged exposure.

EYE CONTACT: Vapors and liquids irritating to eyes.

SKIN CONTACT: Liquid irritant to skin. Product may be absorbed on prolonged contact.

INGESTION: Irritating to internal tract, may cause nausea and vomiting.

CHRONIC Effects: UNKNOWN

NOTE: Studies on test animals of n-Methyl pyrrolidone have been reported to contribute to effects of fertility (fetotoxicity).

CARCINOGENICITY: LISTED IN NTP? NO

IARC? NO

OSHA Regulated? NO

SECTION IV - FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, apply artificial respiration. 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

FLAMMABILITY: (per the USA Flame Projection Test (aerosols)): Flammable

FLASHPOINT (TEST METHOD) (non-aerosol i.e. base stock): 102 °F (CC)

FLAMMABLE LIMITS (non-aerosol i.e. base stock):

LOWER: 0.8%

UPPER: 9.5%

AUTOIGNITION TEMPERATURE(non-aerosol i.e. base stock): 520 °F

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, alcohol foam, water spray, water fog.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes, oxides of carbon, and nitrogen compounds.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Isolate hazard area. 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: Product is a floating hazard. If possible try to contain floating material. Collect and store in a chemical waste container.

SECTION VII - HANDLING AND STORAGE

HANDLING:

Use with adequate ventilation. Ground and bond containers when transferring material. Use spark-proof tools. Avoid skin/eye contact and breathing vapors. Empty containers retain product residue (liquid and/or vapors). DO NOT CUT, WELD, BRAZE, SOLDER, DRILL, OR EXPOSE TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY.

STORAGE: Store in a cool, dry place away from heat, ignition sources, oxidizers, and strong acids.

SECTION VIII - EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS: Adequate ventilation to control vapor accumulation.

PERSONAL PROTECTION: If TLV exceeded, NIOSH vapor mask recommended. Wear chemical goggles or full face shield and chemical impervious apron to protect from splashing. Wear chemical impervious gloves. Wash clothing before reuse.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

For base stock:

VAPOR PRESSURE: <10 mmHg @ 20 °C

SPECIFIC GRAVITY: 0.75 - 0.82

SOLUBILITY IN WATER: Miscible

pH: NA

BOILING POINT: 310 °F - 340 °F

APPEARANCE & ODOR: Water-white liquid with mild amine odor.

VAPOR DENSITY (Air=1) : >2

EVAPORATION RATE (N-BUTYL ACETATE=1): <1

VOC (G/L): 820.4

FREEZING POINT: ND

SECTION X - STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Avoid excessive heat, ignition sources, and flames. Isolate from oxidizers and strong acids.

MATERIALS TO AVOID: Isolate from strong oxidizers such as permanganates, chromates & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxide vapors from burning.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

n-Methyl pyrrolidone

LD50: 3914 mg/kg (oral-rat)

LD50: 8000 mg/kg (dermal-rabbit)

LD50: 3500 mg/kg (oral-rabbit)

Propylene glycol propyl ether

LD50: 2504 mg/kg (oral-rat)

LD50: 3550 mg/kg (dermal-rabbit)

SECTION XII - ECOLOGICAL INFORMATION

No Data Available.

SECTION XIII - DISPOSAL CONSIDERATIONS

Classification of waste required before disposal. Follow all local, state, and federal regulations.

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Consumer commodity, ORM-D

HAZARD CLASS: Not applicable

IDENTIFICATION NUMBER: Not applicable

DOT Emergency Guide #: 126

Reportable Quantity (RQ): Not Applicable

International: Aerosols, flammable, (each not exceeding 1 L capacity), 2.1, 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): None

We recommend you contact local authorities for other reporting requirements.

SARA TITLE III (Superfund Amendments and Reauthorization Act): Medium Aliphatic Solvent Naphtha 70-75%, Propylene Glycol Propyl Ether 20-25%

311/312 Hazard Categories: Acute, Ignitable

313 Reportable Ingredients: NONE

CALIFORNIA PROPOSITION 65: This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

SECTION XVI - OTHER INFORMATION

State Right-to-Know Programs: Massachusetts, Pennsylvania, New Jersey

NFPA Ratings

Health: 2

Flammability: 2

Reactivity: 0

HMIS Protective Equipment: X See your supervisor

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Prepared by: Virginia KMP Corporation

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