

VIRGINIA D10e DEGREASING SOLVENT

Material Safety Data Sheet

SECTION I - COMPANY IDENTIFICATION

PRODUCT: D10e - Degreasing Solvent

CAT. NO.: D10e1, D10e5, D10e55

MANUFACTURED BY:
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SECTION II - HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)

EXPOSURE LIMITS: 8 HR. TWA
OSHA PEL **ACGIH TLV**

*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.

100 ppm	100 ppm recommended
None established	25 ppm
None established	100 ppm recommended
3 ppm	3 ppm

SECTION III - HAZARDS IDENTIFICATIONS

EMERGENCY OVERVIEW:

WARNING! Flammable liquid.
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

FLASHPOINT (TEST METHOD): 102 °F (CC)
FLAMMABLE LIMITS: LOWER: 0.8% UPPER: 9.5%
AUTOIGNITION TEMPERATURE: 520 °F

GENERAL HAZARD: WARNING! 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.

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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.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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: Not Regulated

HAZARD CLASS: Combustible liquid

IDENTIFICATION NUMBER: UN1993

DOT Emergency Guide #: 128

Reportable Quantity (RQ): None

International: Flammable liquid, n.o.s.(Contains Solvent Naphtha), 3.3, UN1993, PGIII, IMDG 3345

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

Prepared by: Virginia KMP Corporation

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