MSDS by MSDS Number

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For Emergency Assistance involving chemicals call − CHEMTREC (800) 424−9300

MSDS Number:62138 MSDS Version:001

001 07/02/03 Y−32035 THINNER

PRODUCT NAME: Y−32035 THINNER

MSDS NUMBER: 62138

EFFECTIVE DATE: 5/1/2003

SUPERSEDES: NEW

ISSUED BY: 001247

****** SECTION I − Product and Company Identification ******

Manufacturer: E.I. DuPont de Nemours & Co.
Dupont Performance Coatings
Wilmington, DE, 19898

Telephone: Product Information: (800) 441−7515
Medical Emergency: (800) 441−3637
Transportation Emergency: (800) 424−9300 (CHEMTREC)

PRODUCT NAME: THINNER

PRODUCT CODE: Y−32035 990211

Chemical Family: No Information Available

****** SECTION 2 − Composition, information on Ingredients ******

CAS #	Ingredient	Concentration/ Range (%)	Exposure Limits**
78−93−3	METHYL ETHYL KETONE	99	A 300.0 ppm 15 min STEL A 200.0 ppm O 200.0 ppm D 300.0 ppm 15 min TWA D 200.0 ppm 8 & 12 hour TWA
141−78−6	ETHYL ACETATE	1− 4	A 400.0 ppm O 400.0 ppm

OSHA HAZARDOUS? Yes

** A = ACGIH, 0 = OSHA, D = Dupont, S = Supplier For additional definition of terms, see Section 16). Limits are 8−hour TWA unless otherwise specified.

****** SECTION 3 − Hazards Information ******

Emergency Overview:
DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS AND SPRAY MIST HARMFUL IF INHALED. VAPORS MAY CAUSE FLASH FIRE. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS DIZZINESS, HEADACHE, OR NAUSEA. MAY CAUSE NOSE, THROAT, EYE AND SKIN IRRITATION. CAN BE ABSORBED THROUGH THE SKIN.

Potential Health Effects:

Inhalation;
May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
Ingestion:
May result in gastrointestinal distress.
Skin or eye contact:
May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Other Potential Health Effects in addition to those listed above:

METHYL ETHYL KETONE
Material is irritating to mucous membranes and upper respiratory tract.
Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system eyes respiratory system skin
Prolonged or repeated overexposure may cause any of the following: conjunctivitis dermatitis
High concentrations have caused embryotoxic effects in laboratory animals.
Aspiration may occur during swallowing or vomiting, resulting in lung damage.
Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

ETHYL ACETATE
Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes respiratory system skin
Tests in laboratory animals have shown effects on any of the following organs/systems: blood kidneys liver

NOTE:
If a chemical listed above is not identified as a carcinogen it is not an IARC, NTP, or OSHA carcinogen".

****** SECTION 4 − First Aid Measures ******

First Aid Procedures:
Inhalation:
If affected by inhalation of vapor or spray mist, move to fresh air. If not breathing, give artificial respiration, preferably mouth−to−mouth. If breathing difficulty persists, or occurs later, consult a physician.
Ingestion:
In the unlikely event of ingestion, DO NOT INDUCE VOMITING. Call a physician immediately and have names of ingredients available.
Skin or eye:
In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash thoroughly with soap and water. If irritation occurs, contact a physician.

****** SECTION 5 − Firefighting Measures ******

Flash Point (Method) Below 20 deg F Closed Cup
Approx. flammable limits LFL 1.8 % UFL 11.5 %
Auto ignition temperature 460.0 Deg C
Hazardous Combustion Products:
CO, C02, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.
Extinguishing media:
Universal aqueous film−forming foam, carbon dioxide, dry chemical.
Special fire fighting procedures:

Full protective equipment, including self−contained breathing apparatus, is recommended. Water from fog nozzles may be used to prevent pressure build−up.
Fire & explosion hazards:
Flammable liquid. Vapor/air mixture will burn when an ignition source is present.

****** SECTION 6 − Accidental Release Measures ******

Procedures for cleaning up spills or leaks:
Ventilate area. Remove sources of ignition. Prevent skin and eye contact and breathing of vapor.

Wear a properly fitted air−purifying respirator with organic vapor cartridges (NIOSH approved TC−23C), eye protection, gloves and protective clothing. Confine, remove with inert absorbent, and dispose of properly.

****** SECTION 7 − Handling and Storage ******

Precautions to be taken in handling and storing:
Observe label precautions. Keep away from heat, sparks, flame, static discharge and other sources of ignition. VAPORS MAY IGNITE EXPLOSIVELY. Vapors may spread long distances. Prevent buildup of vapors. Extinguish all pilot lights and turn off heaters, non−explosion proof electrical equipment and other sources of ignition during and after use and until all vapors are gone. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.
OSHA/NFPA Storage Classification: IB
Other precautions:
If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation, and gloves.

****** SECTION 8 − Exposure Controls or Personal Protection ******

Engineering controls and work practices:
Ventilation:
Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

Personal Protective Equipment:
Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.
Respiratory:
Do not breathe vapors or mists. Wear a properly fitted air−purifying respirator with organic vapor cartridges (NIOSH approved TC−23C) and particulate filter (NIOSH TC−84A) during application and until all vapors and spray mists are exhausted. In confined spaces, or in situations where continuous spray operations are typical, or if proper air−purifying respirator fit is not possible, wear a positive pressure, supplied−air respirator (NIOSH TC−19C). In all cases, follow respirator manufacturer s directions for respirator use. Do not permit anyone without protection in the painting area.
Protective clothing:
Neoprene gloves and coveralls are recommended.
Eye protection:
Desirable in all industrial situations. Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

****** SECTION 9 − Physical and Chemical Properties ******

Evaporation Rate Slower than Ether
Vapor Pressure of principal solvent 71.00 mm
Solubility of solvent in water NIL
Vapor density of principal solvent (Air = 1) 2.50
Approx. Boiling range 79 − 80 DEG (C)
Approx. Freezing range −86 DEG (C)
Gallon weight (lbs/gal) 6.67
Specific gravity 0.80
Percent volatile by volume 100.00
Percent volatile by weight 100.00
Percent solids by volume 0.00
Percent solids by weight 0.00
Odor Characteristic Solvent Odor
Appearance Liquid Thinner
Physical state Liquid

pH (waterborne systems only) Not Applicable
VOC* less exempt (lbs/gal) 6.7
VOC* as packaged (lbs/gal) 6.7

* VOC less exempt (theoretical) and VOC as packaged (theoretical) are based upon the VOC of the packaged material at the point of manufacture.

****** SECTION 10 − Stability and Reactivity ******

Stability:
Stable
Incompatibility (materials to avoid):
None reasonably foreseeable
Hazardous decomposition products:
CO, C02, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.
Hazardous polymerization:
Will not occur.
Sensitivity to static discharge:
Solvent vapors in air may explode if static grounding and bonding is not used during transfer of this product.
Sensitivity to mechanical impact: None Known

****** SECTION 11 − Toxicological Information ******

No Information Available

****** SECTION 12 − Ecological Information ******

No Information Available

****** SECTION 13 − Disposal Considerations ******

Waste disposal method:
Do not allow material to contaminate ground water systems. Incinerate or otherwise dispose of waste material in accordance with Federal, State, Provincial, and local requirements. Do not incinerate in closed containers.

****** SECTION 14 − Transportation Information ******
No Information Available

****** SECTION 15 − Regulatory Information ******

TSCA Status:
In compliance with TSCA Inventory requirements for commercial purposes.
DSL Status:
All components of the mixture are listed on the DSL.

Photochemical Reactivity: Non−photochemically reactive

Other Regulatory Information:

CAS #	Ingredient	302	TPQ/RQ	EPCRA 311/312	313	CERCLA RQ(lbs)	HAP
78−93−3	METHYL ETHYL KETONE	N	NR	A,C,F	Y	5000	Y
141−78−6	ETHYL ACETATE	N	NR	C,F	N	5000	N

Key:
EPCRA: Emergency Planning and Community Right−to−Know Act (aka Title III, SARA)
302: Extremely hazardous substances
311/312 Categories: F = Fire Hazard A = Acute Hazard
R = Reactivity Hazard C = Chronic Hazard
P = Pressure Related Hazard
313 Information: Section 313 Supplier Notification − The chemicals listed above with a 'Y' in the 313 column are subject to reporting requirements of Section 313 of the Emergency Planning and Community Right−to−Know act of 1986 and of 40 CFR 372.
CERCLA: Comprehensive Emergency Response, Compensation and Liability Act of 1980.
HAP = Listed as a Clean Air Act Hazardous Air Pollutant
TPQ = Threshold planning quantity
RQ = Reportable quantity
NA = not available
NR = not regulated

****** SECTION 16 − Additional Information ******
HMIS Rating: H: 2 F: 3 R: 0

Glossary of Terms:
ACGIH − American Conference of Governmental Industrial Hygienists
IARC − International Agency for Research on Cancer
NTP − National Toxicology Program
OSHA − Occupational Safety and Health Administration
STEL − Short term exposure limit
TWA − Time−weighted average
PNOR − Particles not otherwise regulated
PNOC − Particles not otherwise classified

For Additional Information:
Contact: MSDS Coordinator − Univar USA
During business hours, Pacific Time − (425) 889−3400

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END OF MSDS

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