

=====  
Safety Information  
=====

MSDS

[TOP](#)

FSC: 8010

MSDS Date: 01/24/1990

MSDS Num: BVTGP

Submitter: F BT

LIIN: 00F003502

Tech Review: 10/31/1994

Status CD: C

Product ID: 8022S ENAMEL REDUCER

MFN: 02

Article: N

Kit Part: N

Responsible Party

Cage: EO478

Name: EI DUPONT/AUTOMOTIVE PRODS DEPT

Address: 1007 MARKET ST BRANDYWINE BLDG 3332

Box: N/K

City: WILMINGTON

State: DE

Zip: 19898-5000

Country: US

Info Phone Number: 800-441-7515/3637

Emergency Phone Number: 800-441-3637/7515

Preparer's Name: N/P

Proprietary Ind: N

Review Ind: Y

Published: Y

Special Project CD: N

=====  
Co. when other than Responsible Party Co.  
=====

Preparer

[TOP](#)

Cage: EO478

Assigned Ind: Y

Name: EI DUPONT/AUTOMOTIVE PRODS DEPT

Address: 1007 MARKET ST BRANDYWINE BLDG 3332

Box: N/K

City: WILMINGTON

State: DE

Zip: 19898

=====  
Contractor  
=====

Summary

[TOP](#)

Cage:90227

Name:DU PONT E I DE NEMOURS & CO FABRICATED PROD DEPT

Address:1007 MARKET ST BRANDYWINE BLDG 3332

City:WILMINGTON

State:DE

Zip:19898

Country:US

Phone:800-441-3637

Cage:EO478

Name:EI DUPONT/AUTOMOTIVE PRODS DEPT

Address:1007 MARKET ST BRANDYWINE BLDG 3332

Box:N/K

City:WILMINGTON

State:DE

Zip:19898

Country:US

Phone:(800) 441-7515

=====  
Ingredients  
=====

[TOP](#)

Cas: 123-86-4

Code: M

RTECS #: AF7350000

Code: M

Name: BUTYL ACETATE (N-BUTYL ACETATE)

% Text: N/K

Environmental Wt:

Other REC Limits: 150 PPM

OSHA PEL: 710 MG/CUM Code: M OSHA STEL: Code:  
ACGIH TLV: 713 MG/CUM Code: M ACGIH N/P STEL: Code:  
EPA Rpt Qty: 5000 LBS DOT Rpt Qty: 5000 LBS

Ozone Depleting Chemical: N

---

Cas: 67-64-1 Code: M RTECS #: AL3150000 Code: M  
Name: ACETONE; DIMETHYL KETONE; 2-PROPANONE  
% Text: 9 Environmental Wt:  
Other REC Limits: N/K  
OSHA PEL: 2400 MG/CUM Code: M OSHA STEL: Code:  
ACGIH TLV: 750 PPM Code: M ACGIH N/P STEL: Code:  
EPA Rpt Qty: 5000 LBS DOT Rpt Qty: 5000 LBS

Ozone Depleting Chemical: N

---

Cas: 108-88-3 Code: M RTECS #: XS5250000 Code: M  
Name: TOLUENE (IARC - GROUP 3) \*94-3\*  
% Text: 5 Environmental Wt:  
Other REC Limits: 375 MG/CUM  
OSHA PEL: 100 PPM Code: M OSHA STEL: Code:  
ACGIH TLV: 100 PPM Code: M ACGIH N/P STEL: Code:  
EPA Rpt Qty: 1000 LBS DOT Rpt Qty: 1000 LBS

Ozone Depleting Chemical: N

---

Cas: 112-34-5 Code: M RTECS #: KJ9100000 Code: M  
Name: 2-(2-BUTOXYETHOXY)-ETHANOL, DIETHYLENE GLYCOL MONOBUTYL ETHER (BUTYL CARBITOL)  
% Text: 3 Environmental Wt:  
Other REC Limits: N/K  
OSHA PEL: N/K Code: M OSHA STEL: Code:  
ACGIH TLV: N/K Code: M ACGIH N/P STEL: Code:  
EPA Rpt Qty: DOT Rpt Qty:

Ozone Depleting Chemical: N

---

Cas: 108-83-8 Code: M RTECS #: MJ5775000 Code: M  
Name: DIISOBUTYL KETONE  
% Text: N/K Environmental Wt:  
Other REC Limits: 25 PPM  
OSHA PEL: 50 PPM Code: M OSHA STEL: Code:  
ACGIH TLV: 145 MG/CUM Code: M ACGIH N/P STEL: Code:

EPA Rpt Qty:

DOT Rpt Qty:

Ozone Depleting Chemical: N

Cas: 108-65-6

Code: M

RTECS #: AI8925000

Code: M

Name: PROPYLENEGLYCOL MONOMETHYL ETHER ACETATE, 1-METHOXY-2-PROPANOL ACETATE

% Text: N/K

Environmental Wt:

Other REC Limits: NOT ESTABLISHED

OSHA PEL: N/K

Code: M

OSHA STEL:

Code:

ACGIH TLV: N/K

Code: M

ACGIH N/P STEL:

Code:

EPA Rpt Qty:

DOT Rpt Qty:

Ozone Depleting Chemical: N

Cas: 112-07-2

Code: M

RTECS #: KJ8925000

Code: M

Name: ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE, BUTYL CELLOSOLVE ACETATE, 2-BUTOXYETHYL ACETATE

% Text: 3

Environmental Wt:

Other REC Limits: N/K

OSHA PEL: 50 PPM

Code: M

OSHA STEL:

Code:

ACGIH TLV: 25 PPM

Code: M

ACGIH N/P STEL:

Code:

EPA Rpt Qty:

DOT Rpt Qty:

Ozone Depleting Chemical: N

Cas: 64742-89-8

Code: M

RTECS #:

Code: X

Name: LIGHT ALIPHATIC NAPHTHA, VM & P NAPHTHA, LACOLENE

% Text: N/K

Environmental Wt:

Other REC Limits: N/K

OSHA PEL: 300 PPM

Code: M

OSHA STEL:

Code:

ACGIH TLV: 300 PPM

Code: M

ACGIH N/P STEL:

Code:

EPA Rpt Qty:

DOT Rpt Qty:

Ozone Depleting Chemical: N

Cas: 64742-94-5

Code: M

RTECS #: WF3100000

Code: M

Name: HEAVY AROMATIC SOLVENT NAPHTHA PETROLEUM

% Text: N/K

Environmental Wt:

Other REC Limits: N/K

OSHA PEL: N/K

Code: M

OSHA STEL:

Code:

ACGIH TLV: N/K

Code: M

ACGIH N/P STEL:

Code:

EPA Rpt Qty:

DOT Rpt Qty:

Ozone Depleting Chemical: N

Cas:

Code: X

RTECS #: 9999999VO

Code: M

Name: VOLATILE ORGANIC COMPOUNDS: 6.57 (THEORETICAL)

% Text: N/K

Environmental Wt:

Other REC Limits: N/K

OSHA PEL: N/K

Code: M

OSHA  
STEL:

Code:

ACGIH TLV: N/K

Code: M

ACGIH N/P  
STEL:

Code:

EPA Rpt Qty:

DOT Rpt  
Qty:

Ozone Depleting Chemical:

Hazards Data

Health

[TOP](#)

LD50 LC50 Mixture N/P

Route Of Entry Inds – Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds – NTP: NO

IARC: NO

OSHA: NO

Health Hazards Acute And Chronic

INHALATION: NOSE & THROAT IRRITATION, NERVOUS SYSTEM DEPRESSION. SKIN: IRRITATION, DERMATITIS. EYES: IRRITATION. CHRONIC OVEREXPOSURE TO SOLVENTS MAY BE ASSOCIATED W/PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.

Explanation Of Carcinogenicity

NONE

Signs And Symptoms Of Overexposure

IRRITATION, HEADACHE, DIZZINESS, NAUSEA, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS, BURNING, DISCOMFORT, RASH

Medical Cond Aggravated By Exposure

N/K

First Aid

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. SKIN: WASH W/SOAP & WATER. EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. INGESTION: GI DISTRESS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures

VENTILATE AREA. REMOVE IGNITION SOURCES. PREVENT SKIN CONTACT & BREATHING OF VAPOR. CONFINE & REMOVE W/INERT ABSORBENT. DON'T ALLOW MATERIAL TO CONTAMINATE GROUND WATER SYSTEMS.

Neutralizing Agent

N/K

Waste Disposal Methods

INCINERATE ABSORBED MATERIAL IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS. DON'T INCINERATE IN CLOSED CONTAINERS.

Handling And Storage Precautions

OBSERVE LABEL PRECAUTIONS. KEEP AWAY FROM HEAT, SPARK & FLAME. CLOSE CONTAINER AFTER EACH USE. GROUND CONTAINERS WHEN POURING.

Other Precautions

DON'T STORE ABOVE 120F. DON'T SAND, FLAME CUT, BRAZE/WELD DRY COATING W/OUT NIOSH/MSHA APPROVED RESPIRATOR/APPROPRIATE VENTILATION. DON'T BREATHE VAPORS/MISTS. DON'T PERMIT ANYONE W/OUT PROPER EQUIPMENT IN APPLICATION AREA.

Explosion Hazard Information

Fire and

[TOP](#)

Flash Point Method: CC

Flash Point:

Flash Point Text: <20F

Autoignition Temp:

Autoignition Temp Text: N/A

Lower Limits: 0.8

Upper Limits: 13.1

Extinguishing Media

FOAM, CO2, DRY CHEMICAL

Fire Fighting Procedures

FULL PROTECTIVE EQUIPMENT INCLUDING SCBA RECOMMENDED. WATER FROM FOG NOZZLES MAY BE USED TO PREVENT PRESSURE BUILD-UP.

Unusual Fire/Explosion Hazard

>FLASH POINT EMITS FLAMMABLE VAPORS WHICH, WHEN MIXED W/AIR, CAN BURN/BE EXPLOSIVE. FINE MISTS/SPRAYS MAY BE FLAMMABLE AT TEMPS <FLASH POINT.

Measures

Control

[TOP](#)

Respiratory Protection

WHEN USED W/PAINT REQUIRING ISOCYANATE HARDENER/ACTIVATOR, WEAR A NIOSH/MSHA APPROVED CONTINUOUS FLOW SUPPLIED AIR RESPIRATOR WHEN MIXING THE HARDENER/ACTIVATOR W/THE PAINT, DURING APPLICATION & UNTIL ALL VAPOR & SPRAY MISTS ARE EXHAUSTED.

Ventilation

SUFFICIENT IN VOLUME & PATTERN TO KEEP CONTAMINANTS BELOW APPLICABLE LEVELS.

Protective Gloves

NEOPRENE

Eye Protection

RECOMMENDED W/SPLASH GUARDS/SIDE SHIELDS

Other Protective Equipment

COVERALLS

Work Hygienic Practices

WASH THOROUGHLY AFTER HANDLING &BEFORE EATING/SMOKING.

Supplemental Safety and Health

N/K

Physical/Chemical Properties

[TOP](#)

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text: 129.2–473F

Melt/Freeze Pt:

M.P/F.P Text: N/K

Decomp Temp:

Decomp Text: N/K

Vapor Pres: N/K

Vapor Density: >1

Volatile Org Content %:

Spec Gravity: N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity: N/P

Evaporation Rate & Reference: SLOWER THAN ETHER

Solubility in Water: APPRECIABLE

Appearance and Odor: N/K

Percent Volatiles by Volume: 100

Corrosion Rate: N/K

=====**Data**=====**Reactivity** TOP

Stability Indicator: YES

Stability Condition To Avoid: TEMPS >FLASH POINT, HEAT, SPARKS, FLAME

Materials To Avoid: N/K

Hazardous Decomposition Products: CO, CO2, SMOKE, OXIDES OF HEAVY METALS

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization N/K

=====**Toxicological Information**=====**TOP**

Toxicological Information:N/P

=====**Ecological Information**=====**TOP**

Ecological: N/P

=====**Transport Information**=====**MSDS** TOP

Transport Information:N/P

=====**Regulatory Information**=====**TOP**

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

=====**TOP**

Other Information: N/P

=====  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.