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ELY CHEMICAL CO LTD -- 2618, PENETRANT REMOVER S-76 AEROSOL (SEE SUPPL)

6850-00-160-8481

============= Product Identification ==================

Product ID:2618, PENETRANT REMOVER S-76 AEROSOL (SEE SUPPL)

MSDS Date:04/28/1999

FSC:6850

NIIN:00-160-8481

Status Code:A

MSDS Number: CLFDS === Responsible Party ===

Company Name: ELY CHEMICAL CO LTD

Address:LISLE LANE

City:ELY, CB7 4AS, ENGLAND

Country:UK

Info Phone Num:

+44(0)1353665881/FX-664623

Emergency Phone Num:+44(0)1353 665881

Preparer's Name: NOT PROVIDED

CAGE:K2063

=== Contractor Identification ===

Company Name: DUNN R G ASSOCIATES INC

Address:15104 LEE RD SUITE 203-B

Box:City:HUMBLE

State:TX

ZIP:77396-2078

Country:US

Phone:281-441-2001/FAX: 281-441-7772

Contract Num:SP0450-01-M-ZC88

CAGE:0A272

Company Name: DUNN R G ASSOCIATES INC

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ZIP:77396-2078 Country:US

Phone:281-441-2001/FAX: 281-441-7772

Cont

ract Num:SP0450-01M-D57L

**CAGE:0A272** 

Company Name: ELY CHEMICAL COMPANY

Address:LISLE LANE

Box:City:ELY, CAMBRIDGESHIRE,CB7 4AS

Country:UK

Phone:+44(0)1353 665881

CAGE:K2063

======= Composition/Information on Ingredients ========

Ingred Name: HYDROCARBONS (EC NO. 295-434-2)

CAS:92045-53-9

Other REC Limits:NOT PROVIDED

OSHA PEL:1000 MG/M3 ACGIH TLV:NOT PROVIDED

Ingred Name: CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Other REC Limits:NOT PROVIDED OSHA PEL:9000 MG/M3;5000 PPM

**ACGIH T** 

LV:9000 MG/M3;5000 PPM ACGIH STEL:54000 MG/M3

============= Hazards Identification ========================

LD50 LC50 Mixture:LD50, RAT, ORAL>5G/KG

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ON EYES: IRRITATING, BUT DOES NOT INJURE EYE TISSUE. ON SKIN: WILL CAUSE DE-FATTING AND DRYING IF CONTACT IS PROLONGED OR FREQUENT. THIS MAY LEAD TO MILD IRRITATION AND DERMATITIS. BY INHALATION: HIGH CONCENTRATIONS OF THE VAPOUR COULD LEAD

INITIALLY TO DIZZINESS AND HEADACHE, WITH IRRITATION TO THE EYES AND RESPIRATORY TRACT, ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS. BY IN GESTION: SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BRONCHOPNEUMONIA OR PULMONARY EDEMA.

**Explanation of Carcinogenicity:NONE** 

Effects of Overexposure:ON EYES: IRRITATING. ON SKIN: WILL CAUSE DE-FATTING AND DRYING IF CONTACT IS PROLONGED OR FREQUENT. THIS



LEAD TO MILD IRRITATION AND DERMATITIS. BY INHALATION: HIGH CONCENTRATIONS OF THE VAPOUR CO ULD LEAD INITIALLY TO DIZZINESS AND HEADACHE, WITH IRRITATION TO THE EYES AND RESPIRATORY TRACT.

Medical Cond Aggravated by Exposure:NOT PROVIDED

First Aid:INHALATION: IF PERSON IS OVERCOME BY FUMES, OBTAIN EMERGENCY MEDICAL ATTENTION. IMMEDIATELY REMOVE PATIENT FROM EXPOSURE AND KEEP REST. ADMINISTER ARTIFICIAL

RESPIRATION IF REQUIRED, SKIN:

REMOVE CONT AMINATED CLOTHING, WASH AFFECTED AREA, WITH SOAP AND WATER, AS SOON AS POSSIBLE. FLUSH SKIN WITH LUKEWARM WATER. EYE: FLUSH IMMEDIATELY WITH QUANTITIES OF CLEAN WATER FOR 15 MINUTES. OBTAIN MEDICAL AT TENTION IF IRRITATION PERSISTS. INGESTION: IF LARGE QUANTITIES INGESTED, OBTAIN MEDICAL ATTENTION. GIVE LUKEWARM WATER IF CONSCIOUS. DO NOT INDUCE VOMITING. RISK OF DAMAGE TO THE LUNGS FROM POSSIBLE A SPIRATION EXCEEDS THE POIS ONING RISK

============ Fire Fighting Measures =========================

Flash Point:=-4.C, 24.8F

Extinguishing Media:SUITABLE: FOAM, DRY POWDER, SAND OR CARBON DIOXIDE. USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. UNSUITABLE: WATER JET.

Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS, IF FIRE IS IN CONFINED SPACE.

Unusual Fire/Explosion Hazard:HEAT MAY RUPTURE PRESSURISED CONTAINERS RELEASING COMBUSTIBLE MATERIAL. USE WATER SPRAY/F OG TO COOL.

======== Accidental Release Measures ===========

Spill Release Procedures:EXTINGUISH OR TURN OFF ALL SOURCES OF IGNITION, OBTAIN PROTECTIVE RESPIRATOR, GLOVES, GOGGLES OR FACE SHIELD. WARN OCCUPANTS OF DOWNWIND AREAS FIRE AND EXPLOSION HAZARD. ENSURE ADEQUATE VENTILATION,OR RESPIRATOR. STOP RELEASE, CONTAIN SPILL WITH SUITABLE BOOMS, SAND OR ABSORBENT GRANULES. PREVENT ENTRY TO WATER- COURSES, DRAINS, SEWERS. REPORT ANY ESCAPE INTO DRAINS



============= Handling and Storage ==========================

Handling and Storage Precautions:STORE IN A WELL VENTILATED COVERED STORAGE AREA OUT OF DIRECT SUNLIGHT AND DO NOT EXPOSE TO TEMPERATURES ABOVE 50C. MINIMIZE SKIN CONTACT USE PVC OR SIMILAR IMPERVIOUS GLOVES. WEAR CHEMICAL GOGGLES OR OTHER EYE PROTECTION. DO NOT SMOKE WHILE HANDLING THIS PRODUCT. DO NOT USE NEAR SOURCES OF IGNITION

Other Preca

utions:AVOID BREATHING VAPOURS. IF PRODUCT MUST BE USED IN AREAS WHERE GOOD VENTILATION IS NOT AVAILABLE, WEAR SUITABLE RESPIRATORY EQUIPMENT. WASH HANDS THOROUGHLY AFTER HANDLING THIS PRODUCT.

===== Exposure Controls/Personal Protection ========

Respiratory Protection: ENSURE GOOD VENTILATION. IF IT IS NECESSARY TO USE THIS PRODUCT IN AN ENCLOSED AREA USE SUITABLE ABSORBENT MASK OR BREATHING APPARATUS TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation:NOT PRO

**VIDED** 

Protective Gloves: WEAR PVC OR SIMILAR IMPERVIOUS GLOVES.

Eye Protection: WEAR CHEMICAL GOGGLES OR SIMILAR EYE PROTECTION.

Other Protective Equipment:LONG SLEEVED OVERALLS RECOMMENDED ALSO IMPERVIOUS APRONS AND GAUNTLETS IF THERE IS A RISK OF FREQUENT CONTACT.

Work Hygienic Practices: TAKE MEASURES TO PREVENT: 1. CONTACT WITH EYES AND SKIN 2. INHALATION RISK FROM VAPOUR OR MIST BUILD-UP.

Supplemental Safety and Health

R.G.DUNN & ASSOC. PART NUMBER: SAE/AMC 2644-00 TYPE 2. ABBREVIA TION:

N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED. CNS = CENTRAL NERVOUS SYSTEM. GI = GASTROINTESTINAL. MIL-I-25135 CANCELLED.

======== Physical/Chemical Properties ==========

HCC:V3

NRC/State Lic Num: NOT RELEVANT

Boiling Pt:=94.C, 201.2F

B.P. Text:INITIAL

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:40 AT 20C/68F

Va

por Density:>1 (AIR=1) Volatile Org Content %:100 Spec Gravity:0.713 Viscosity:NOT PROVIDED	
Evaporation Rate & Dr. Reference: NOT PROVIDED Solubility in Water: NOT PROVIDED	
Appearance and Odor:CLEAR, VOLATILE, MOBILE LIQUID. ODOUR: FAINT HYDROCARBON ODOUR.	
Percent Volatiles by Volume:100 Corrosion Rate:NOT PROVIDED	
======================================	
Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS. MAY DISSOLVE OR SWELL RUBBERS AND ORGANIC	
COATINGS. Stability Condition to Avoid:THIS PRODUCT IS STABLE. DO NOT EXPOSE TO NAKED FLAMES, OR OTHER SOURCES OF IGNITION. Hazardous Decomposition Products:OXIDES OF CARBON	
========== Toxicological Information ============	
Toxicological Information:HYDROCARBON IS CATALYTICALLY HYDRO-DE-AROMATISED AND HAS AN AROMATIC CONTENT LESS THAN 100 PPM AND A BENZENE CONTENT LESS THAN 15 PPM.	
============== Ecological Information ================	
Ecological :ENVIRONMENTAL MOBILITY: SUBSTANCE IS HIGHLY VOLATILE & WILL RAPIDLY EVAPORATE TO THE AIR. BEHAVIOUR IN WATER: IMMISCIBLE, FLOATS. THE SMALL QUANTITY DISSOLVED, IS EXPECTED TO BE REMOVED IN A WASTE TRE ATMENT PLANT. ENVIRONMENTAL DEGRADABILITY: MATERIAL CAN DEGRADE RAPIDLY IN AIR. MATERIAL BIODEGRADES RAPIDLY & IS "READILY" BIODEGRADABLE ACCORDING TO OECD GUIDELINES. ECOTOXICITY: ALTHOUGH DATA EXIST S TO SHOW THAT THIS MATERIAL IS UNLIKELY TO PERSIST IN THE AQUATIC EN	
VIRONMENT, BASED ON DATA FOR SIMILAR MATERIALS IN EUROPEAN CLASSIFICATION RULES LEAD TO CLASSIFICATION OF "MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT"	

======= Disposal Considerations ===========

Waste Disposal Methods: RESIDUES OF WASTE PRODUCTS: PRODUCT WITH DISSOLVED CONTAMINANTS. SAFE HANDLING: PRESSURIZED CONTAINERS MUST BE PUNCTURED IN SUITABLE RETAINING EQUIPMENT. LIQUIDS MAY THEN BE DISPOSED OF BY INCINERATIO N IN SUITABLE

LICENSED FACILITY. DISPOSAL IN ACCORDANCE WITH LOCAL AND NATIONAL LEGISLATION, THROAUTHORIZED CONTRACTOR TO LICENSED FACILITY.
======== MSDS Transport Information ==========
Transport Information:SPECIAL CARRIAGE PRECAUTIONS IN CARRIAGE (ON-SITE OR EXTERNALLY). PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE. UN NUMBER: 1950. CDG CPL CLASS 2.1. ADR CLASS 2. ITEM 5 DEGREEF (MARGINAL 2201). RID CLASS 2.
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SARA Title III Information:NOT PROVIDED Federal Regulatory Information:NOT PROVIDED State Regulatory Information:NOT PROVIDED
========== Other Information ============
Disclaimer (provided with this information by the compiling agencies): 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 this information to be accurate and discla

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