

ELY CHEMICAL COMPANY -- LUMOR 3X (AEROSOL), CODE 2385 -- 6850-00-841-1347

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

Product ID:LUMOR 3X (AEROSOL), CODE 2385

MSDS Date:01/26/1999

FSC:6850

NIIN:00-841-1347

Status Code:A

MSDS Number: CLBFM

=== Responsible Party ===

Company Name:ELY CHEMICAL COMPANY

Address:LISLE LANE

City:ELY, CAMBRIDGESHIRE,CB7 4AS

Country:UK

Info Phone Num:+44(0)1353 665881

Emergency Phon

e Num:+44(0)1353 665881

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-D808

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:CHEMICALLY IN

## ERT FLUORESCENT MAGNETIC PARTICLES

Ingred Name:HYDROCARBON BLEND DEAROMATIZED BY CATALYTIC HYDROGENATION

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

OSHA PEL:9000 MG/M3;5000 PPM

ACGIH TLV:9000 MG/M3;5000 PPM

ACGIH STEL:54000 MG/M3

### ===== Hazards Identification =====

LD50 LC50 Mixture:RAT, ORAL, LD50: NO SIGNIFICANT HAZARD.

Health Hazards Acute and Chronic:HYDROCARBON IS CATALYTICALLY  
HYDRODEAROMATISED AND HAS AN AROMATIC CONTENT LESS THAN 0.  
1% AND

BENZENE CONTENT LESS THAN 1PPM (TYPICAL VALUES). INGESTION: DATA  
FOR RAT,ORAL LD50 INDICATES NO SIGNIFICANT HAZARD BY THIS ROUTE.  
SMALL AMOUNTS OF LIQUID ASPIRATED INTO RESPIRATORY SYSTEM DURING  
INGESTION OR FROM VOMITING MAY CAUSE BRONCHOPNEUMONIA OR PULMONARY  
OEDEMA. INHALATION AND EYE CONTACT: VAPOR CONCENTRATIONS ABOVE  
RECOMMENDED EXPOSURE LEVELS MAY BE IRRITATING TO EYES AND  
RESPIRATORY TRACT AND MAY CAUSE HEADACHES AND DIZZINESS. SKIN  
CONTACT: FREQU  
ENT OR PROLONGED CONTACT MAY CAUSE DEFATTING LEADING  
TO DRYING AND CRACKING OF SKIN.

Effects of Overexposure:EYES: IRRITATION. SKIN CONTACT: DEFATTING,  
DRYING, CRACKING. INHALATION: IRRITATION OF RESPIRATORY TRACT,  
HEADACHES, DIZZINESS. INGESTION: NOT A SIGNIFICANT HAZARD. LIQUID  
ASPIRATED INTO RESPIRATORY SYSTEM DURING INGESTION OR FROM  
VOMITING MAY CAUSE BRONCHOPNEUMONIA OR PULMONARY OEDEMA.

### ===== First Aid Measures =====

First Aid:

INHALATION: IMMEDIATELY REMOVE FROM EXPOSURE. IF PERSON IS  
OVERCOME BY FUMES OBTAIN EMERGENCY MEDICAL ATTENTION. GIVE  
ARTIFICIAL RESPIRATION IF REQUIRED. SKIN CONTACT: REMOVE  
CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH MILD SOAP AND  
WATER. FLUSH SKIN WITH LUKEWARM WATER. EYE CONTACT: IMMEDIATELY  
RINSE WITH CLEAN WATER FOR 15 MINS WHILE HOLDING EYES OPEN. OBTAIN  
MEDICAL ATTENTION IF IRRITATION PERSISTS. INGESTION: IF LARGE  
QUANTITIES ARE INGESTED OBTAIN MEDICAL

ATTENTION. GIVE LUKEWARM

WATER IF COMPLETELY CONSCIOUS BUT DO NOT INDUCE VOMITING, THE RISK OF DAMAGE TO THE LUNGS EXCEEDS THE POISONING RISK.

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

Flash Point: 70.C, 158.F

(MIN)

Autoignition Temp: >200.C, 392.F

Extinguishing Media: SAND, FOAM, DRY POWDER, OR CARBON DIOXIDE.

UNSUITABLE EXTINGUISHING MEDIA: WATER JET.

Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS IF FIRE IS IN A CONFINED SPACE. USE

WATER SPRAY/ FOG TO COOL

PRESSURIZED CONTAINERS.

Unusual Fire/Explosion Hazard: CARBON MONOXIDE. HEAT MAY RUPTURE

PRESSURIZED CONTAINERS RELEASING COMBUSTIBLE MATERIAL. USE WATER SPRAY/FOG TO COOL.

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

Spill Release Procedures: EXTINGUISH OR TURN OFF SOURCES OF IGNITION, WEAR PROTECTIVE RESPIRATOR, GLOVES, GOGGLES OR FACE MASK. STOP RELEASE. CONTAIN SPILL WITH SUITABLE BOOM OR ABSORBENT GRANULES. PREVENT ESC

APPE TO DRAINS OR SEWERS. REPORT ANY ESCAPE INTO DRAINS

TO FIRE AND WATER AUTHORITIES. CONTAINED LARGE SPILLS MAY BE PUMPED (NOT ELECTRIC) INTO SUITABLE CONTAINERS. SMALL SPILLS MAY BE ABSORBED USING SUITABLE GRANULES.

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

Handling and Storage Precautions: HANDLING: MINIMIZE SKIN CONTACT BY USE OF PVC OR SIMILAR IMPERVIOUS GLOVES. WEAR CHEMICAL GOGGLES OR TO THE SIMILAR EYE PROTECTION. STORAGE: STORE IN SEALED CONTAINERS IN VENTILATED COVERED STORAGE AREAS.

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

Respiratory Protection: ENSURE GOOD VENTILATION. ABSORBENT MASKS OR RESPIRATORS WILL BE REQUIRED IF VAPOUR BUILD UP OCCURS.

Ventilation: ENSURE GOOD VENTILATION.

Protective Gloves: WEAR PVC OR SIMILAR IMPERVIOUS GLOVES.

Eye Protection: WEAR CHEMICAL GOGGLES OR SIMILAR EYE PROTECTION.

Other Protective Equipment: LONG SLEEVED OVERALLS ARE RECOMMENDED ALSO IMPERVIOUS APRONS

AND GAUNTLETS IF THERE IS A RISK OF FREQUENT  
SPLASHING.

Work Hygienic Practices:TAKE MEASURES TO PREVENT CONTACT WITH EYES AND  
SKIN, AND INHALATION RISK FROM VAPOR BUILD-UP.

Supplemental Safety and Health

PRODUCT CODE: 2385.

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

HCC:V3

Boiling Pt:=200.C, 392.F

B.P. Text:200C TO 240C

Melt/Freeze Pt:=-10.C, 14.F

M.P/F.P Text:BELOW

Vapor Pres:0.015 K PA @20C

Volatile Org Content %:100

Spec Gravity:0.798

Viscosity:(40C): 1.6

CST

Solubility in Water:INSOLUBLE

Appearance and Odor:COLORLESS MOBILE LIQUID WITH FINE BROWN PARTICLES  
IN SUSPENSION.SWEET ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS. MAY SWELL RUBBERS AND ORGANIC COATINGS.

Stability Condition to Avoid:FLUORESCENT MAGNETIC PARTICLES SETTLE ON  
STANDING. SHAKE/STIR BEFORE USE. AVOID SOURCES OF IGNITION AND  
TEMPERATURES ABOVE 40C.

Hazardous Decomposition

Products:OXIDES OF CARBON.

===== Toxicological Information =====

Toxicological Information:EXPOSURE CONTROL LIMITS AND SOURCE: OIL MIST:  
OES AND TLV (8 HOUR TWA) 5 MG/M3; OES AND TLV (STEL 15 MIN) 10  
MG/M3. HYDROCARBON SOLVENTS ARE NOT CURRENTLY LISTED IN THE TABLES  
IN EITHER HSE (UK) EH40/ 98. OCCUPATIONAL EXPOSURE LIMITS OR THE  
AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH)  
THRESHOLD LIMIT VALUES. HOWEVER, BASED ON THE COMP

POSITION OF THE

MIXTURE AND THE ACTS RECIPROCAL CALCULATION PROCEDURE GIVEN IN HSE EH40/98 PART 3. THE OCCUPATIONAL EXPOSURE LIMIT IS 1000 MG/M<sup>3</sup>. (TOTAL HYDROCARBON, VAPOR).

===== Ecological Information =====

Ecological:ENVIRONMENTAL MOBILITY: LIQUID IS VOLATILE AND WILL RAPIDLY EVAPORATE TO AIR IF RELEASED INTO THE ENVIRONMENT. ENVIRONMENTAL DEGRADABILITY: LIQUID CAN DEGRADE RAPIDLY IN AIR. LIQUID BIODEGRADES RAPIDLY AND IS "READILY"

BIODEGRADABLE ACCORDING TO

OECD GUIDELINES. ECOTOXICITY: NO ACUTE TOXICITY TO AQUATIC ORGANISMS IS EXPECTED AT THE MAXIMUM WATER SOLUBILITY OF THIS MATERIAL. LONG TERM ADVERSE EFFECTS TO AQUATIC ORGANISMS ARE NOT EXPECTED.

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

Waste Disposal Methods:ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

LIKELY RESIDUES OR WASTE PRODUCT: PRODUCT WITH DISSOLVED CONTAMINANTS. SAFE HANDLING: PRESSURIZED CONTAINERS MUST BE

ST BE

PUNCTURED IN SUITABLE RETAINING EQUIPMENT. LIQUID MAY THEN BE DISPOSED OF BY INCINERATION IN SUITABLE LICENSED FACILITY.

===== Regulatory Information =====

Federal Regulatory Information:SUPPLY LABEL INFORMATION: PRODUCT IS CLASSIFIED: EXTREMELY FLAMMABLE; LABEL SYMBOL: FLAME; RISK PHASE: R12 EXTREMELY FLAMMABLE; SAFETY PHASES: S 16, KEEP AWAY FROM SOURCES OF IGNITION. NO SMOKING; S24 /25, AVOID CONTACT WITH SKIN AND EYES.; S43A,

IN CASE OF FIRE USE SAND, EARTH, DRY CHEMICAL,

FOAM. NOTE: ACTUAL LABEL MAY NOT BE AS ABOVE IF PRODUCT WAS SUPPLIED PREVIOUSLY OR LABELING IS IN TRANSITION PERIOD. NOTE:

THIS DATA SHEET DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS,OR OTHER HEALTH AND SAFETY LEGISLATION..

===== Other Information =====

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