



## SAFETY DATA SHEET

### 602 Fusor Surface Modifier Aerosol

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME                    602 Fusor Surface Modifier Aerosol  
 PRODUCT NO.                    9459TA  
 SUPPLIER                         Lord Corporation (Europe) Ltd  
    Chemical Products Division  
    Stretford Motorway Estate, Barton Dock  
    Road  
    Stretford, Manchester. M32 0ZH. United  
    Kingdom  
    +44 (0)161 865 8048  
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#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANE	203-448-7	106-97-8	1-5%	F+;R12
TOLUENE	203-625-9	108-88-3	60-100%	F;R11 Xn;R20

The Full Text for all R-Phrases are Displayed in Section 16

#### 3 HAZARDS IDENTIFICATION

Extremely flammable. Harmful by inhalation.

CLASSIFICATION                    Xn;R20. F+;R12.

#### 4 FIRST-AID MEASURES

##### GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

##### INHALATION

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

##### INGESTION

Not relevant.

##### SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

##### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

##### SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

**602 Fusor Surface Modifier Aerosol****6 ACCIDENTAL RELEASE MEASURES**

## PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

## ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

## SPILL CLEAN UP METHODS

Wear necessary protective equipment.

**7 HANDLING AND STORAGE**

## USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

## STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
BUTANE	OES	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3
TOLUENE	OES	50 ppm(Sk)	191 mg/m3(Sk)	150 ppm(Sk)	574 mg/m3(Sk)

## INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

## PROTECTIVE EQUIPMENT



## ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

## RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit

## HAND PROTECTION

Use protective gloves. Use protective gloves made of: Neoprene. or Nitrile.

## EYE PROTECTION

Use eye protection.

## OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

## HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

## APPEARANCE

Aerosol

## PHYSICAL DATA COMMENTS

Information given concerns the concentrated solution.

## RELATIVE DENSITY

0.75 @ 20 °c

## FLASH POINT (°C)

- 97 Sh CC (Setaflash closed cup).

## FLAMMABILITY LIMIT - LOWER(%)

1.2

## FLAMMABILITY LIMIT - UPPER(%)

9.5

**10 STABILITY AND REACTIVITY**

## 602 Fusor Surface Modifier Aerosol

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 11 TOXICOLOGICAL INFORMATION

### HEALTH WARNINGS

**INHALATION.** May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged inhalation of high concentrations may damage respiratory system. **SKIN CONTACT.** Product has a defatting effect on skin. May cause skin irritation/eczema. **EYE CONTACT.** Irritating to eyes.

### ROUTE OF ENTRY

Inhalation.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

No data on possible environmental effects have been found.

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION



UK ROAD CLASS	2.1		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	Not Applicable
ADR CLASS NO.	2	ADR CLASS	Class 2: Gases
ADR PACK GROUP	Not Applicable	ADR LABEL NO.	2.1
CEFIC TEC(R) NO.	20G5F	RID CLASS NO.	2
RID PACK GROUP	Not Applicable	UN NO. SEA	1950
IMDG CLASS	2.1	IMDG PAGE NO.	2.1
IMDG PACK GR.	Not Applicable	EMS	F-D, S-U
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1950	ICAO CLASS	2.1
AIR PACK GR.	Not Applicable		

## 15 REGULATORY INFORMATION

### LABELLING

## 602 Fusor Surface Modifier Aerosol



Harmful



Extremely  
Flammable

CONTAINS

TOLUENE

RISK PHRASES

R12 Extremely flammable.  
R20 Harmful by inhalation.

SAFETY PHRASES

S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition - No smoking.  
S23 Do not breathe vapour/spray.  
S38 In case of insufficient ventilation, wear suitable respiratory equipment.  
S42 During fumigation/spraying wear suitable respiratory equipment.  
S43 In case of fire, use alcohol-resistant foam, carbon dioxide or dry powder. Do not use water.  
S51 Use only in well-ventilated areas.  
S60 This material and its container must be disposed of as hazardous waste.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EEC.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

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### 16 OTHER INFORMATION

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INFORMATION SOURCES

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION DATE 02/11/04

REV. NO./REPL. SDS GENERATED 02-29/01/03

SDS NO. LC35-FUSOR 602 -03-02/11/04

RISK PHRASES IN FULL

R11 Highly flammable.  
R12 Extremely flammable.  
R20 Harmful by inhalation.

#### DISCLAIMER

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