

Extremely flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Irritating to eyes.

CLASSIFICATION (1999/45) Xi;R36, F+;R12, R66, R67.

PHYSICAL AND CHEMICAL HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
ACETONE	200-662-2	67-64-1	30-60%	F+;R11 Xi;R36 R66 R67
BUTANE	203-448-7	106-97-8	10-30%	F+;R12
ETHANOL	200-578-6	64-17-5	10-30%	F+;R11
METHANOL	200-659-6	67-56-1	< 1%	F+;R11 T;P23/24/25, R39/23/24/25

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

4 FIRST-AID MEASURES

INHALATION

NOTE! Keep affected person away from heat, sparks and flames! 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

Immediately rinse mouth and provide fresh air. DO NOT INDUCE VOMITING! Get medical attention.

SKIN CONTACT

Wash the skin immediately with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

EYE CONTACT

Spray in the eyes. 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

Extremely flammable. Forms explosive mixtures with air. May travel considerable distance to source of ignition and flash back. Aerosol cans may explode in a fire.

SPECIFIC HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Avoid inhalation of vapours and aerosol spray.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ACETONE	OES	500 ppm	1210 mg/m ³	1500 ppm	3620 mg/m ³	
BUTANE	OES	600 ppm	1450 mg/m ³	750 ppm	1810 mg/m ³	
ETHANOL	OES	1000 ppm	1920 mg/m ³			
METHANOL	OES	200 ppm(Sk)	266 mg/m ³ (Sk)	250 ppm(Sk)	333 mg/m ³ (Sk)	

INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

Use eye protection. Wear approved chemical safety goggles where eye exposure is reasonably probable.

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. Use appropriate skin cream to prevent drying of skin.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol
ODOUR	Solvent.
PHYSICAL DATA COMMENTS	Information given concerns the major ingredient.
FLASH POINT (°C)	<40. AUTO IGNITION TEMPERATURE (°C) 400 - 580
FLAMMABILITY LIMIT - LOWER(%) 1.8	FLAMMABILITY LIMIT - UPPER(%) 9.5

10 STABILITY AND REACTIVITY

STABILITY

Avoid: Heat, sparks, flames.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

ROUTE OF ENTRY

Inhalation.

TARGET ORGANS

Central nervous system. Respiratory system, lungs.

MEDICAL SYMPTOMS

Inhalation may cause: Headache. Dizziness. Stupor.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not known.

MOBILITY

Highly volatile and will rapidly evaporate to the air

13 DISPOSAL CONSIDERATIONS

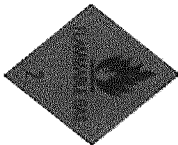
GENERAL INFORMATION

Do not puncture or incinerate even when empty.

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

PROPER SHIPPING NAME

AEROSOLS, FLAMMABLE, NOS (Contains Acetone and Liquefied Petroleum Gases)

UN NO. ROAD

1950

ADR CLASS NO.

2, 5F

ADR CLASS

Class 2.1: Flammable gases.

HAZARD NO. (ADR)

23 Flammable gas.

ADR LABEL NO.

3

CEFC TEC(R) NO.

20G63

RID CLASS NO.

2

UN NO. SEA

1950

IMDG CLASS

2.1

IMDG PAGE NO.

2102

IMDG PACK GR.

N/A

EMS

2-13

MFAG

620

MARINE POLLUTANT

No.

UN NO. AIR

1950

AIR CLASS

2.1

AIR SUB CLASS

N/A

AIR PACK GR.

N/A

15 REGULATORY INFORMATION

LABELLING

A1	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2	Do not spray on a naked flame or any incandescent material.
S2	Keep out of the reach of children.
S9	Keep container in a well-ventilated place.
S23	Do not breathe vapour/spray.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.
S56	Dispose of this material and its container to hazardous or special waste collection point. Keep away from sources of ignition - No smoking.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

16 OTHER INFORMATION

DATE	21/12/2007
RISK PHRASES IN FULL	
R12	Extremely flammable.
R11	Highly flammable.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67	Vapours may cause drowsiness and dizziness.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.