

SAFETY DATA SHEET

BLUE DIAMOND LINEMARKERS

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: BLUE DIAMOND LINEMARKERS
PART No.: 000650LM
SUPPLIER: Blue Diamond Ltd.
 Clayfield Industrial Estate
 Tickhill Road, Doncaster
 South Yorkshire DN4 8QG
TEL: 01302 310113
FAX: 01302 816692
EMERGENCY TELEPHONE(S): 0161 620 5400 NOTE! TO BE USED FOR CHEMICAL EMERGENCIES ONLY!!!

2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	CONTENTS	HEALTH (class)	RISK (R No.)
BUTYL ACETATE	123-86-4	10-30 %	NC	66, 67
1-METHOXY-2-PROPANOL	107-98-2	5-10 %		
ACETONE	67-64-1	10-30 %	Xi	36, 66, 67
ISOBUTANE	75-28-5	1-5 %		
BUTANE	106-97-8	5-10 %		
PROPANE	74-98-6	5-10 %		

3 HAZARDS IDENTIFICATION

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

4 FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. For breathing difficulties oxygen may be necessary.
INGESTION: Ingestion is an unlikely event, but should this occur seek medical advice.
SKIN: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
EYES: 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: Aerosol cans may explode in fires. Risk of explosion if heated.

BLUE DIAMOND LINEMARKERS

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear necessary protective equipment. If leakage cannot be stopped, evacuate area. Ventilate well. Larger spill: Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Provide good ventilation.

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

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
BUTYL ACETATE	123-86-4	OES.	150 ppm	200 ppm
1-METHOXY-2-PROPANOL	107-98-2	OES	100 ppm(Sk)	300 ppm(Sk)
ACETONE	67-64-1	OES.	750 ppm	1500 ppm
BUTANE	106-97-8	OES.	600 ppm	750 ppm
PROPANE	74-98-6		Asphyxiating	Asphyxiating

INGREDIENT COMMENTS: OES = Occupational Exposure Standard. SUP = Supplier's recommendation.
Sk = Can be absorbed through skin.

PROTECTIVE EQUIPMENT:



VENTILATION: Provide adequate general and local exhaust ventilation.
RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).
PROTECTIVE GLOVES: Use protective gloves.
EYE PROTECTION: Use approved safety goggles or face shield.
OTHER PROTECTION: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
HYGIENIC WORK ROUTINES: 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. No eating or drinking while working with this material.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Aerosol.	COLOUR:	Varying.
ODOUR/TASTE:	Organic solvents.		
SOLUBILITY DESCRIPTION:	Insoluble in water.	FLAMMABILITY LIMIT (lower %):	0.8
FLAMMABILITY LIMIT (upper %):	13.0		

10 STABILITY AND REACTIVITY

STABILITY: Normally stable.
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 (CO₂).

11 TOXICOLOGICAL INFORMATION

HEALTH HAZARDS, GENERAL: Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
INHALATION: Gas or vapour in high concentrations may irritate respiratory system. Gas or vapour displaces oxygen available for breathing (asphyxiant).

BLUE DIAMOND LINEMARKERS

SKIN: Product has a defatting effect on skin. Prolonged or repeated exposure may cause severe irritation.
EYES: Irritating to eyes. Spray and vapour in the eyes may cause irritation and smarting. May cause severe irritation to eyes.
ROUTE OF ENTRY: Inhalation. Skin and/or eye contact

12 ECOLOGICAL INFORMATION

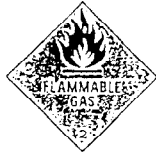
ENVIRONMENTAL HAZARDS: No data is available on the product itself.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements. Contact specialist disposal companies.

14 TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



ROAD:
UN No: 1950
HAZARD CLASS (ADR): Class 2 Gases, Compressed, liquefied or dissolved under pressure
ADR CLASS No: 2
MARGINAL: 2201
ROAD TRANSPORT NOTES: Exempted from control as Limited Quantity provisions apply.
ADR ITEM No: 5F
PROPER SHIPPING NAME I: AEROSOLS

RAIL:
RAIL TRANSPORT CLASS No: 2.1
RAILROAD PT: 5F

SEA:
UN SEA: 1950
IMDG Page No: 2102
EmS No.: 2-13
MARINE POLLUTANT: No
SEA TRANSPORT CLASS No: 2.1
SEA PACK GR: N/A
MFAG Table No: 620

AIR:
UN AIR: 1950
AIR TRANSPORT CLASS No: 2.1

15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



EXTREMELY FLAMMABLE



RISK PHRASES: R-12 Extremely flammable.
R-36 Irritating to eyes
R-66 Repeated exposure may cause skin dryness or cracking
R-67 Vapours may cause drowsiness and dizziness

SAFETY PHRASES: S-2 Keep out of reach of children.
S-16 Keep away from sources of ignition - No Smoking
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-37 Wear suitable gloves
S-51 Use only in well ventilated areas.
S-23A Do not breathe vapour/spray

BLUE DIAMOND LINEMARKERS

UK REGULATORY REFERENCES:	The Control of Substances Hazardous to Health Regulations 1988 Chemicals (Hazard Information & Packaging) Regulations 1993
UK ENVIRONMENTAL LISTINGS:	Rivers (Prevention of Pollution) Act 1961 Control of Pollution (Special Waste Regulations) Act 1980
STATUTORY INSTRUMENTS:	Chemicals (Hazard Information and Packaging) Regulations
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)

16 OTHER INFORMATION

INFORMATION SOURCES:	Dangerous Properties of Industrial Materials Report, N Sax et al
REVISION DATE:	11-00
SAFETY DATA SHEET STATUS:	Approved

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 AS 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