

SAFETY DATA SHEET
Linemaster Linemarker Paint**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME Linemaster Linemarker Paint
APPLICATION Paint
SUPPLIER Aztec Chemicals
Gateway
Crewe
Cheshire
CW1 6YY
+ 44 (0) 1270 655500 (T)
After hrs 0831300868
+ 44 (0) 1270 655501 (F)

2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|----------------------|-----------|------------|---------|--|
| 1-METHOXY-2-PROPANOL | 203-539-1 | 107-98-2 | 5-10% | R10 |
| 2-BUTOXYETHANOL | 203-905-0 | 111-76-2 | 5-10% | Xn;R20/21/22 Xi;R36/38 |
| AROMATIC HYDROCARBON | 265-199-0 | 64742-95-6 | 10-30% | Xn;R65. Xi;R37. N;R51/53. R10,R66,R67. |
| DIMETHYL ETHER | 204-065-8 | 115-10-6 | 30-60% | F+;R12 |

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

3 HAZARDS IDENTIFICATION

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

CLASSIFICATION F+;R12. R52/53, R67.

ENVIRONMENT

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

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. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

HUMAN HEALTH

Gas or vapour is harmful on prolonged exposure or in high concentration. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

4 FIRST-AID MEASURES**GENERAL INFORMATION**

Move the exposed person to fresh air at once.

INHALATION

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. 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

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Extinguish with foam, carbon dioxide, dry powder or water fog.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.

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.

Linemaster Linemarker Paint**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 allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Let evaporate. Keep out of confined spaces because of explosion risk.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Do not spray near a naked flame or any incandescent material.

STORAGE PRECAUTIONS

Extremely flammable. Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | Std | LT - ppm | LT - mg/m3 | ST - ppm | ST - mg/m3 |
|----------------------|-----|-------------|---------------|-------------|---------------|
| 2-BUTOXYETHANOL | WEL | 25 ppm(Sk) | | 50 ppm(Sk) | |
| DIMETHYL ETHER | WEL | 400 ppm | 766 mg/m3 | 500 ppm | 958 mg/m3 |
| 1-METHOXY-2-PROPANOL | WEL | 100 ppm(Sk) | 375 mg/m3(Sk) | 150 ppm(Sk) | 560 mg/m3(Sk) |
| AROMATIC HYDROCARBON | SUP | | 600 mg/m3 | | |

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits SUP = Supplier's recommendation.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of spray.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

Due to the packaging form, aerosol, risk of skin contact is small. For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

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

HYGIENE MEASURES

Wash hands after handling. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

PERSONAL PROTECTION

When using do not smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------------|--|--------------------------------|-----|
| APPEARANCE | Aerosol | | |
| ODOUR | Organic solvents. | | |
| PHYSICAL DATA COMMENTS | Information given concerns the major ingredient. | | |
| FLASH POINT (°C) | <-41° | AUTO IGNITION TEMPERATURE (°C) | 350 |
| FLAMMABILITY LIMIT - LOWER(%) | 3.4 | FLAMMABILITY LIMIT - UPPER(%) | 18 |

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.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire, toxic gases (CO, CO₂, NO_x) may be formed.

Linemaster Linemarker Paint**11 TOXICOLOGICAL INFORMATION****GENERAL INFORMATION**

Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

INHALATION

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

SKIN CONTACT

Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

HEALTH WARNINGS

Arrhythmia, (deviation from normal heart beat).

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

ROUTE OF ENTRY

Inhalation.

TARGET ORGANS

Central nervous system. Respiratory system, lungs.

MEDICAL SYMPTOMS

Arrhythmia, (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

ENVIRONMENTAL HAZARDS: This product has not been tested but contains ingredients which are harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging form, pressurised container, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Empty containers must not be burned because of explosion hazard.

14 TRANSPORT INFORMATION**GENERAL**

This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.



| | | | |
|----------------------|----------------|------------------|-----------------------------|
| UK ROAD CLASS | 2 | UK ROAD PACK GR. | Not applicable |
| PROPER SHIPPING NAME | AEROSOLS | ADR CLASS | Class 2.1: Flammable gases. |
| UN NO. ROAD | 1950 | HAZARD NO. (ADR) | 23 Flammable gas. |
| ADR CLASS NO. | 2, 5F | CEFIC TEC(R) NO. | 20G53 |
| ADR PACK GROUP | Not Applicable | RID PACK GROUP | Not Applicable |
| ADR LABEL NO. | 3 | IMDG CLASS | 2.1 |
| RID CLASS NO. | 2 | IMDG PACK GR. | Not Applicable |
| UN NO. SEA | 1950 | UN NO. AIR | 1950 |
| IMDG PAGE NO. | 2102 | AIR PACK GR. | Not Applicable |
| EMS | 2-13 | | |
| ICAO CLASS | 2.1 | | |

Linemaster Linemarker Paint**15 REGULATORY INFORMATION**

LABELLING



Extremely Flammable

RISK PHRASES

| | |
|--------|---|
| R12 | Extremely flammable. |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67 | Vapours may cause drowsiness and dizziness. |

SAFETY PHRASES

| | |
|--------|--|
| S2 | Keep out of the reach of children |
| S16 | Keep away from sources of ignition - No smoking. |
| S29/56 | Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |
| S51 | Use only in well-ventilated areas. |
| U1 | Do not breathe vapour or spray. |

UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

EU DIRECTIVES

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

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health. The Aerosol Dispensers Regulations 1977 & 1999

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

16 OTHER INFORMATION

SDS NO. 10179

SAFETY DATA SHEET STATUS

Approved.

DATE 10.12.2004

RISK PHRASES IN FULL

| | |
|-----------|---|
| R10 | Flammable. |
| R12 | Extremely flammable. |
| R20/21/22 | Harmful by inhalation, in contact with skin and if swallowed. |
| R36/38 | Irritating to eyes and skin. |
| R37 | Irritating to respiratory system. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| 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.