

SAFETY DATA SHEET

Sanglier Linemarker Paint Aerosol

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

PRODUCT NAME Sanglier Linemarker Paint Aerosol
SUPPLIER Sanglier Limited
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2 HAZARDS IDENTIFICATION

Extremely flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xi;R36. F+;R12. R52/53, R66, 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

Pressurised container: Must not be exposed for temperatures above 50°C. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1-METHOXY-2-PROPANOL	203-539-1	107-98-2	1-5%	R10
2-BUTOXYETHANOL	203-905-0	111-76-2	1-5%	Xn;R20/21/22 Xi;R36/38
ACETONE	200-662-2	67-64-1	10-30%	F;R11 Xi;R36 R66 R67
BUTANE/ISOBUTANE		106-97-8	10-30%	F+;R12.
PROPANE	200-827-9	74-98-6	10-30%	F+;R12
SOLVENT NAPHTHA, LIGHT AROMATIC	265-199-0	64742-95-6	5-10%	Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once.

INHALATION

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

SKIN CONTACT

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

EYE CONTACT

Immediately rinse with water. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

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SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to reduce vapours. Aerosol cans may explode in a fire. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

UNUSUAL FIRE & EXPLOSION HAZARDS

Extremely flammable. Forms explosive mixtures with air. May explode in a fire. Vapours are heavier than air and may spread near ground to sources of ignition.

SPECIFIC HAZARDS

Pressurised container: Must not be exposed for temperatures above 50°C.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Provide ventilation and confine spill. Do not allow runoff to sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Avoid inhalation of vapours and spray mists. Do not spray on a naked flame or any incandescent material. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

STORAGE PRECAUTIONS

Extremely flammable. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame.

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	TWA - 8 hrs		STEL - 15 min		Notes
1-METHOXY-2-PROPANOL	WEL	100 ppm(Sk)	375 mg/m3(Sk)	150 ppm(Sk)	560 mg/m3(Sk)	
2-BUTOXYETHANOL	WEL	25 ppm(Sk)		50 ppm(Sk)		
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3	
BUTANE/ISOBUTANE	WEL	600 ppm		750 ppm		

WEL = Workplace Exposure Limit.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

EYE PROTECTION

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

HYGIENE MEASURES

When using do not eat, drink or smoke. Wash promptly if skin becomes wet or contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Aerosol

COLOUR Varying

ODOUR of solvents

PHYSICAL DATA COMMENTS Information given concerns the major ingredient. 23 Flammable gas.

FLASH POINT (°C) <-40°C

AUTO IGNITION TEMPERATURE (°C) 410-580

FLAMMABILITY LIMIT - LOWER(%) 1.8%

FLAMMABILITY LIMIT - UPPER(%) 9.5%

10 STABILITY AND REACTIVITY

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STABILITY

Highly volatile.

CONDITIONS TO AVOID

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

11 TOXICOLOGICAL INFORMATION

SKIN CONTACT

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

EYE CONTACT

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

HEALTH WARNINGS

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Arrhythmia, (deviation from normal heart beat).

ROUTE OF ENTRY

Inhalation.

TARGET ORGANS

Central nervous system. Respiratory system, lungs.

MEDICAL SYMPTOMS

Narcotic effect. Vapours may cause drowsiness and dizziness.

Name	2-BUTOXYETHANOL
Name	1-METHOXY-2-PROPANOL
Toxic Dose 1 - LD 50	4200 mg/kg (ipr-rat)
Toxic Dose 2 - LD 50	11700 mg/kg (oral-mouse)
Name	ACETONE
Toxic Dose 1 - LD 50	3 mg/kg (oral-mouse)
Toxic Dose 2 - LD 50	5800 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment. Dangerous for the environment if discharged into watercourses. Do not allow to enter drains, sewers or watercourses.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Make sure containers are empty before discarding (explosion risk). Do not puncture or incinerate even when empty. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	2, 5F		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	#
ADR CLASS NO.	2, 5F	ADR CLASS	Class 2: Gases
ADR PACK GROUP	#	ADR LABEL NO.	2.1
CEPIC TEC(R) NO.	20G5F	RID CLASS NO.	2, 5F
RID PACK GROUP	#	UN NO. SEA	1950
IMDG CLASS	2	IMDG PAGE NO.	2102
IMDG PACK GR.	#	EMS	F-D, S-U
MFAG	See Guide	MARINE POLLUTANT	No.

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UN NO. AIR	1950	AIR CLASS	2
AIR SUB CLASS	2.1	AIR PACK GR.	#

15 REGULATORY INFORMATION

LABELLING



Irritant



Extremely Flammable

RISK PHRASES

R12	Extremely flammable.
R36	Irritating to eyes.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

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.
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.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S60	This material and its container must be disposed of as hazardous waste.

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

16 OTHER INFORMATION

DATE 6 November 2008

RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
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.

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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.