

MATERIAL SAFETY DATA SHEET FOR BOSS YELLOW GAS MARKING PAINT



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product type:	Gas Marking Paint
Intended use:	Yellow Gas Marking Paint is a bright yellow waterproof marker. Intended to distinguish gas pipes/lines from the surrounding area. The product dries rapidly and wears well. Always apply to a clean dry surface for best performance.
Trade Name:	BOSS Yellow Gas Marking Paint
Supplier of product:	The BSS Group plc
Registered Office:	Fleet House, Lee Circle, Leicester, LE1 3QQ
Telephone/Fax Numbers:	0116 262 3232 / 0116 253 1343
E-mail Address	reception@bssgroup.com
Web site Address	www.bss-group.co.uk

2. HAZARD IDENTIFICATION

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

3. COMPOSITION/INFORMATION ON INGREDIENTS.

Main Constituents:	CAS No.:	EINECS NR.:	CLASSIFICATION:
Xylene	1330-20-7	215-535-7	XN R-10, 20/21, 38
2-Methoxy-1-Methylethyl Acetate	108-65-6	203-603-9	Xi R-10, 36
2-Butoxyethanol	111-76-2	203-905-0	Xn R-20/21/22, 36/38
Acetone	67-64-1	200-662-2	Xi, F R-11, 36, 66, 77
Isobutane	75-28-5	200-857-2	Fx R-12
Butane	106-97-8	203-448-7	Fx R-12
Propane	74-98-6	200-827-9	Fx R-12
Hexadecyldimethylamine	112-69-6	203-997-2	C, Xn R-22, 34, 50

The full text for all R-Phrases are displayed in Section 16.

MATERIAL SAFETY DATA SHEET FOR BOSS YELLOW GAS MARKING PAINT

4. FIRST AID MEASURES

General:	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 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.
Ingestion:	DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
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 eyelids. 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 and Explosion Hazards:	Aerosol cans may explode in fires.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-Up Methods:	Wear necessary protection equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.
--------------------------------	---

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

INGREDIENT NAME:	CAS No	STD	LT EXP	ST EXP
			(8 hrs)	(15 min)
Xylene	1330-20-7	OES	50 ppm (Sk)	100 ppm (Sk)
2-Methoxy-1-Methylethyl Acetate	108-65-6		50 ppm	
2-Butoxyethanol	111-76-2	OES	25 ppm (Sk)	50 ppm (Sk)
Acetone	67-64-1	OES	500 ppm	1500 ppm
Butane	106-97-8	OES	600ppm	750 ppm
Propane	74-98-6		Asphyxiating	Asphyxiating
Ingredient Comments:	OES = Occupational Exposure Standard.			

MATERIAL SAFETY DATA SHEET FOR BOSS YELLOW GAS MARKING PAINT

EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT.)

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). Use chemical cartridge protection with appropriate cartridge if OEL cannot be maintained
Protective Gloves:	Protective gloves are advised in industrial situations.
Eye Protection:	Use approved safety goggles or face shield in industrial situations.
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 wash that becomes contaminated. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aerosol
Colour:	Yellow
Odour/Taste:	Characteristic
Solubility Description:	Insoluble in water
Flammability Limited (Lower %):	0.8
Flammability Limited (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 oxidizing agents. Strong alkalis. Strong mineral acids.
Hazardous Decomposition Products:	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ²).

11. TOXICOLOGICAL INFORMATION

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. Irritating to respiratory system.
Ingestion:	May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.
Skin Contact:	Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause sensitisation by skin contact. Irritating to skin.
Eye Contact:	Irritating to eyes May cause chemical eye burns.
Route of Entry:	Inhalation. Skin and / or eye contact.

MATERIAL SAFETY DATA SHEET FOR BOSS YELLOW GAS MARKING PAINT

12. ECOLOGICAL INFORMATION

Ecological Information:	Dangerous for the environment if discharged into watercourses.
--------------------------------	--

13. DISPOSAL CONSIDERATIONS

Disposal Methods:	Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.
--------------------------	---

14. TRANSPORT INFORMATION

Label for Conveyance:	Flammable Gas
------------------------------	---------------

UN No. Road:	1950
UK Road Transport Class:	2.1
UK Road Pack GR:	Not applicable
ADR Class No:	2.1
ADR Class:	Division 2.1: Flammable gases.
ADR Item No	5F
ADR Marginal:	2201
ADR Label No:	2.1
CEFIC TEC(R) No:	20G53
Proper Shipping Name 1:	AEROSOLS
RID Class No:	2.1
RID Item No.:	5F
UN NO. Sea:	1950
IMDG Class:	2.1
IMDG Pack GR:	Not Applicable
EmS No:	2.13
MFAG Table No:	See Guide
Marine Pollutant:	No
UN NO. Air:	1950
ICAO Class:	2.1
Air Pack GR:	Not Applicable

MATERIAL SAFETY DATA SHEET FOR BOSS YELLOW GAS MARKING PAINT

15. REGULATORY INFORMATION

Label for Supply:	Extremely Flammable Irritant	
Risk Phrases:	R12 R-36 R-66 R-67	Extremely Flammable Irritating to eyes Repeated exposure may cause skin dryness or cracking Vapours may cause drowsiness and dizziness
Safety Phrases:	S-16 S-2 S-23C S-26 S-37 S-51	Keep away from sources of ignition - No Smoking Keep out of reach of children Do not breathe vapour/spray In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Wear suitable gloves Use only in well ventilated areas
UK Regulatory References:	The Chemicals (Hazard Information & Packing for Supply) Regulations 2002. The Control of Substances Hazardous to Health Regulations 2002.	
Statutory Instruments:	Control of Substances Hazardous to Health Regulations 2002. The Chemicals (Hazard Information & Packing to Supply) Regulations 2002.	
Approved Code of Practice:	Classification and Labelling of Substances and Preparations Dangerous for Supply.	
Guidance Notes:	Occupational Exposure Limited EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG (108).	

16. OTHER INFORMATION

The following risk numbers are allocated to bulk amounts of individual raw materials.

R-PHRASES (FULL TEXT):	R-22 R-34 R-50 R-10 R-20/21 R-35 R-36 R-20/21/22 R36/38 R-11 R-66 R67 R12	Harmful if swallowed Causes Burns Very toxic to aquatic organisms. Flammable. Harmful by inhalation and in contact with skin Irritating to skin Irritating to eyes Harmful by inhalation, in contact with skin and if swallowed Irritating to eyes and skin Highly flammable Repeated exposure may cause skin dryness or cracking Vapours may cause drowsiness and dizziness Extremely flammable
-------------------------------	---	--

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material 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, the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.