

# SAFETY DATA SHEET

**Product Name:** Hotline Primer

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**Revision: 29/07/2015**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY UNDERTAKING

### 1.1 Product Identifier:

Product Name: Primer

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Primer for thermoplastic road marking material

### 1.3 Details of supplier of the safety data sheet

Supplier: JHM Butt  
Station Yard  
Station Road  
Bawtry Doncaster DN10 6QD  
Tel: 01302 710868  
Fax: 01302 719481  
Email: info@buttsofbawtry.com

### 1.4 Emergency telephone number

Please contact: 01934 825850

## SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification:** Regulation (EC) No 1272/2008

Physical & Chemical Hazards: Flam. Liq. 2 – H225

Human Health: Acute Tox. 4 – H312; Acute Tox. 4 – H332; Skin Irrit 2 – H315; Eye Irrit. 2 – H319  
STOT Single 3 – H335; STOT rep. 2 – H373; Asp. Tox 1 – H304  
Aquatic Chronic 2 – H411

### 2.2 Label elements:

Regulation (EC) No 1272/2008



Contains: Xylene. Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexanes

Signal word: **DANGER**

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Hazard statements:	H225	Highly flammable liquid and vapour
	H304	May be fatal if swallowed and enters airways
	H312	Harmful if in contact with skin.
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H332	Harmful if inhaled.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H373	May cause damage to organs through prolonged or repeated exposure if inhaled.
	H411	Toxic to aquatic life with long lasting effects.
Precautionary statements:	P210	Keep away from heat/sparks/open flames/hot surface – No Smoking.
	P243	Take precautionary measures against static discharge.
	P260	Do not breathe vapours.
	P271	Use only outdoors or in a well ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing.
	P331	Do NOT induce vomiting.
Supplementary Precautionary Statements:	P233	Keep container tightly closed.
	P240	Ground/bond container and receiving equipment.
	P242	Use only non-sparking tools.
	P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated Clothing. Rinse skin with water/shower.
	P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or Doctor/Physician.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P403+P235	Store in a well ventilated place. Keep cool.
	P362	Take off contaminated clothing and wash before reuse.
	P391	Collect spillage.
	P405	Store locked up.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Preparation:

Components:	Xylene	Hydrocarbon Solvent
CAS-No:	1330-20-7	
EC-No:	215-535-7	920-750-0
	30-55%	30-50%

Classification (EC 1272/2008)

Xylene	Hydrocarbon Solvent
Flam. Liq. 3 – H226	Flam. Liq. 2 – H225
Acute Tox. 4 – H312	STOT SE 3 – H336
Acute Tox. 4 – H332	Asp.Tox. 1 – H304

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Skin Irrit. 2 – H315  
Eye Irrit. 2 – H319  
STOT SE 3 – H335

Skin Irrit. 2 – H315  
Aquatic Chronic 2 – H11  
EUH066

STOT RE 2 – H373  
Asp. Tox. 1 – H304

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid measures

#### General Information:

Remove affected person from source of contamination.  
General First Aid, rest, warmth and fresh air.  
Place unconscious person on the side in the recovery position and ensure breathing can take place.  
CAUTION! First Aid personnel must be aware of own risk during rescue!  
No action shall be taken involving and personal risk or without suitable training. If it is suspected fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

#### Inhalation:

Remove victim immediately from source of exposure.  
Get medical attention.  
If respiratory problems, artificial respiration/Oxygen.

#### Ingestion:

Get medical attention immediately!  
Rinse mouth thoroughly.  
Give small quantities of water to drink.

#### Skin Contact:

Remove contaminated clothing.  
Wash the skin immediately with soap and water.  
Get medical attention if any discomfort continues.

#### Eye contact:

Promptly wash eyes with plenty of water while lifting the eye lids.  
Make sure to remove any contact lenses from the eyes before rinsing.  
Continue to rinse for at least 15 minutes.  
Get medical attention if any discomfort continues.

### 4.2 Most important symptoms and effects, both acute and delayed.

#### Inhalation:

Harmful if inhaled. May cause respiratory irritation, coughing, chest tightness, feeling of chest pressure.

#### Ingestion:

Aspiration of product into the lungs can cause fatal chemical pneumonitis, irritating to mouth, throat and stomach, nausea, vomiting.

#### Skin contact:

Skin irritation. Prolonged skin contact may cause redness and irritation.

#### Eye contact:

May cause severe irritation to the eyes. Irritating and may cause redness.

### 4.3 Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

**Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.**

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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

Extinguishing media: Stop flow of material to fire.  
Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media: Do not use water jets as an extinguisher, as this will spread the fire.

### 5.2 Special hazards arising from the substance or mixture:

Unusual fire & explosion hazards: Severe explosion hazard when vapours are exposed to flames.  
Vapours are heavier than air and may spread near ground to sources of ignition.  
Heat may cause the containers to explode.  
Runoff to sewer may create fire or explosion hazard. Do not allow any potentially contaminated water including rain water, runoff from firefighting or spills to enter any waterway, sewer or drain. Hot containers may explode.

Specific hazards: In case of fire, toxic gases may be formed.  
Fire or high temperatures create:  
Toxic gases/Vapours/fumes of:  
Carbon Monoxide (CO)  
Carbon Dioxide (CO<sub>2</sub>)  
Nitrous gases (NO<sub>x</sub>)

### 5.3 Advice for fire fighters:

Special Fire Fighting Procedures: Avoid breathing fire vapours.

**Use water to keep fire exposed containers cool and disperse vapours.**

Keep run-off water out of sewers and water sources. Dike for water control.  
Protective equipment for fire fighters.

**Self - contained breathing apparatus and full protective clothing must be worn in case of fire.**

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Protective equipment and emergency procedures:

No action shall be taken involving any personal risk or without suitable training.  
Wear protective clothing as described in section 8 of this data sheet.  
Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material.  
Do not touch or walk through spilled material.  
Do not smoke, use open fire or other sources of ignition.  
Avoid inhaling vapours.  
Provide adequate ventilation.

### 6.2 Environment precautions:

Do not discharge into drains, water courses or onto the ground.  
Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body.  
Do not allow to enter drains, sewers or watercourses.

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## 6.3 Methods and material for containment and cleaning up:

Stop leak if possible without risk.  
Absorb with sand or other inert absorbent.

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.  
All equipment used when handling the product must be grounded. Use clean non-sparking tools to collect absorbed material.

## 6.4 Reference to other sections:

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

Avoid spilling, skin and eye contact.  
Avoid inhalation of vapours and spray mists.  
Static electricity and formation of sparks must be prevented.  
Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.  
Contaminated clothing and shoes must be discarded.  
Container must be kept tightly closed.  
Keep away from heat, sparks and open flame.  
Use explosion proof electric equipment.  
Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container in a dry, cool and well ventilated place.  
Keep away from food, drink and animal feeding stuffs.  
Avoid contact with oxidising agents.  
Keep away from heat, sparks and open flame.  
Keep upright.

**Storage Class**  
Flammable Liquid Storage.

### 7.3 Specific end use(s):

The identified uses for this product are detailed in Section 1.2

## SECTION 8: EXPOSURE CONTROL/PERSONAL

### 8.1 Control Parameters:

WEL TWA – 8Hrs	50ppm ( Sk )/ 200mg/m <sup>3</sup> ( Sk )	STEL – 15mins	100ppm ( Sk )/ 441mg/m <sup>3</sup> (Sk )	
	Industry	Inhalation	Long Term	221 mg/kg/day
	Industry	Inhalation	Short Term	442 mg/m <sup>3</sup>
	Industry	Dermal	Long Term	3182 mg/kg/day
	Consumer	Inhalation	Short Term	260 mg/m <sup>3</sup>
	Consumer	Inhalation	Long Term	65.3mg/3 <sup>3</sup>
	Consumer	Dermal	1872	mg/kg/day
	Consumer	Oral	Long Term	12.5mg/kg/day

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Engineering Measures:	Must not be handled in confined space without sufficient ventilation. Explosion-proof general and local exhaust ventilation.
Respiratory Equipment:	If ventilation is sufficient, suitable respiratory protection must be provided.
Hand Protection:	The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Nitrile gloves are recommended.
Eye Protection:	Wear tight – fitting goggles or face shield.
Other Protection:	Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety clothing.
Hygiene measures:	Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. <b>DO NOT SMOKE IN WORK AREA!</b>
Environmental Exposure Controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Black or Clear
Odour/Taste:	Aromatic
Solubility Description:	Practically insoluble
Boiling Point (°C):	130 - 140
Specific Gravity (Water=1):	0.86 @ 20°C
Vapour Density (air=1):	3.70
Vapour Pressure:	10.00 @ 20°C
Evaporation Rate:	0.70
Viscosity:	0.60 mPas @ 20°C
Flash Point Method:	CC (Closed cup)
Auto Ignition Temperature (°C):	480
Flammability Limit (upper %):	9
Flammability Limit (lower %):	1

## SECTION 10: STABILITY & REACTIVITY

10.1 Reactivity:	No specific test data related to reactivity available for this product.
10.2 Chemical Stability:	Stable under normal temperature conditions and recommended use.
10.3 Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous Polymerisation will not polymerise.
10.4 Conditions to avoid:	Avoid heat, flames and other sources of ignition.

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**10.5 Incompatible materials:** Materials to avoid – Strong oxidising substances, strong acids, Halogens.

**10.6 Hazardous decomposition products:** In case of fire, toxic gases (CO, CO<sub>2</sub>, and NO<sub>x</sub>) may be formed. Toxic gases/vapours/fumes of: Hydrocarbons.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

#### Acute Toxicity:

Acute Toxicity (Oral LD<sub>50</sub>) > 3523 mg/kg Rat

Acute Toxicity (Dermal LD<sub>50</sub>) >2920 mg/kg Rat

Acute Toxicity (Inhalation LC<sub>50</sub>) 5000ppmV (gas) Rat 4 hours

**Skin Corrosion/Irritation:** Irritating

**Serious eye damage/irritation:** Causes eye irritation.

**Respiratory or skin sensitization:** There is no evidence that the material can lead to respiratory hypersensitivity. Not sensitising.

**Germ cell mutagenicity:** Negative. Negative.

**Carcinogenicity:** No evidence of carcinogenicity.

**Reproductive Toxicity:** No effects on fertility. No teratogenic, material or developmental effects.

#### Specific target organ toxicity – single exposure

**Target organs:** Central nervous system, Liver, Kidneys. Vapours may cause drowsiness and dizziness.

#### Aspiration hazard:

**Viscosity** The fluid can enter the lungs and cause damage (chemical Pneumonitis, possibly fatal).

**Inhalation:** Harmful by inhalation. Gas or vapour in high concentrations may irritate respiratory system, cause headache, fatigue, dizziness and nausea. Central nervous system depression.

**Ingestion:** Gastrointestinal symptoms including upset stomach. Nausea, vomiting, diarrhoea. Risk of severe pulmonary problems in case of accidental aspiration.

**Skin contact:** Harmful in contact with skin. Irritating to skin.

**Eye contact:** Irritating and vapour or spray may cause temporary (reversible) eye damage.

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity:

Acute fish Toxicity: LC50 96 hours 3.0 mg/l Onchorhynchus mykiss (Rainbow trout).

Acute Toxicity: Aquatic Invertebrates  
EC50 48 hours 10 mg/l 4.6 mg/l daphnia magna LC50

Acute Toxicity: Aquatic plants EC50 72 hours 10 mg/l  
Algae – Raphidocelis.

Chronic Toxicity: Fish early life stage.  
**NOEC 28 days 1.534 mg/l**

Chronic Toxicity: Aquatic Invertebrates  
**NOEC 21 days 1 mg/l Daphnia magna**

### 12.2 Persistence and degradability:

Degradability: The product is easily biodegradable.  
Biodegradation 98 Degradation (%): 28 days.  
Test – 301F Ready Biodegradability – Manometric Respiratory Test.

### 12.3 Bio accumulative potential:

Bio accumulative Potential: No data available on bioaccumulation.  
Bioaccumulation Factor not available.  
Partition Coefficient Partition coefficient (n-octanol/water): Pow 3.6

### 12.4 Mobility in soil:

Mobility: The product has poor water-solubility.  
Adsorption/Desorption Coefficient. Not available.  
Henry's Law constant. Not available.

**12.5 Results of PBT & PvB assessment** Not classified as PBT/vPvB by current EU criteria.

**12.6 Other adverse effects:** None known.

## Section 13: DISPOSAL CONSIDERATIONS

**General Information:** Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local waste disposal authority.

**13.1 Waste Treatment Methods:** Dispose of waste and residues in accordance with local authority requirements. Empty containers must not be burned because of explosion hazard. Uncleaned empty packages should be disposed of in the same manner as the contents.

**Waste Class:** Hazardous waste. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 EWC

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NUMBER: Allocation of a waste code number in accordance with the European Waste Catalogue should be carried out in agreement with an EA authorised waste disposal company.

## 14 – TRANSPORT INFORMATION

### 14.1 UN Number :

UN No. (ADR/RID/ADN) 1866

UN No. (IMDG) 1866

UN No. (ICAO) 1866

### 14.2 UN Proper Shipping Name :

**Proper Shipping Name :** Resin Solution

### 14.3 Transport Hazard Class (es) :

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3 : Flammable Liquids

ADR Label No. 3

IMDG Class 3

ICAO Class/Division 3

### **Transport Labels**

### 14.4 Packing Group :

ADR/RID/ADN Packing Group

IMDG Packing Group

ICAO Packing Group

### 14.5 Environmental Hazards

**Environmentally Hazardous Substance/  
Marine Pollutant :** Yes

### 14.6 Special Precautions for user :

**EMS** F-E, S-D

**Emergency Action Code :** 3YE

**Hazard No. (ADR)** 33

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**Tunnel Restriction Code :** (D/E)

**14.7 Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code.**

Cat Y Ship type :2 Pollution category X

## SECTION 15: REGULATORY INFORMATION

### **15.1 Safety, Health and Environmental Regulations :**

UK Regulatory References : Health and Safety at Work Act 1974  
Statutory Instruments : Control of Substances Hazardous to health.  
Guidance Notes : Workplace Exposure Limits EH40.  
EU Legislation : Dangerous Substance Directive 67/548/EEC  
Regulation (EC) No 1272/2008 CLP  
Regulation (EC) No 1907/2006 REACH

### **15.2 Chemical Safety Assessment :**

A chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

**General Information :** Residual vapours may explode on ignition. Do not cut, drill, grind or weld on or ner this container.

### **Hazard Statements in Full :**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes serious eye irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
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