



# SAFETY DATA SHEET

## SURVEY & SPOT MARKER - BLUE 750ml

SDS Ref:  
87  
Revision 1  
Revision Date:  
26.03.2018

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

#### 1.1. Product identifier

Product name SURVEY & SPOT MARKER - BLUE 750ML  
Product No. 237798

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

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

Supplier T.I. Midwood & Co. Ltd  
TIMco House  
Green Lane  
Wardle  
Nantwich  
CW5 6BJ  
01829 261111

#### 1.4. Emergency telephone number

National Emergency Telephone Number  
Hazchem line: 0044 (0) 7970 779978

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Aerosol 1 - H222
Human health	EUH066; Eye Irrit. 2 - H319; STOT SE 3 - H336
Environment	Not classified.

#### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word  
Hazard Statements

Danger

H222  
H319  
H336

Extremely flammable aerosol.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

Precautionary Statements

P271  
P280  
  
P261  
P305+351+338

Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid breathing vapour/spray.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Dispose of contents/container in accordance with local regulations.

Supplementary Precautionary Statements

P210  
  
P211  
P251  
P264  
P304+340

Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Wash contaminated skin thoroughly after handling.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

## SAFETY DATA SHEET - SURVEY & SPOT MARKER - BLUE 750ml

P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P313	Get medical advice/attention.
P337	If eye irritation persists:
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Supplemental label information

EUH066

Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>1,2,4-TRIMETHYLBENZENE</b>		< 1%
CAS-No.: 95-63-6	EC No.: 202-436-9	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	R10	
Acute Tox. 4 - H332	Xn;R20	
Skin Irrit. 2 - H315	Xi;R36/37/38	
Eye Irrit. 2 - H319	N;R51/53	
STOT SE 3 - H336		
Aquatic Chronic 2 - H411		
<b>ACETONE</b>		30-60%
CAS-No.: 67-64-1	EC No.: 200-662-2	Registration Number: 01-2119471330-49-XXXX
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 - H225	Xi;R37/38,R41	
EUH066	Xi;R36	
Eye Irrit. 2 - H319	R66	
STOT SE 3 - H336	R67	
<b>BUTANE</b>		10-30%
CAS-No.: 106-97-8	EC No.: 203-448-7	Registration Number: Exempt - Naturally occurring
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Gas 1 - H220	F+;R12	
<b>ISOBUTANE</b>		10-30%
CAS-No.: 75-28-5	EC No.: 200-857-2	Registration Number: Exempt - Naturally occurring
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Gas 1 - H220	F+;R12	
<b>MESITYLENE</b>		< 1%
CAS-No.: 108-67-	EC No.: 203-604-4	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	R10	
STOT SE 3 - H335	Xi;R37	
Aquatic Chronic 2 - H411	N;R51/53	

## SAFETY DATA SHEET - SURVEY & SPOT MARKER - BLUE 750ml

PROPYLBENZENE		< 1%
CAS-No.: 103-65-1	EC No.: 203-132-9	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	R10	
STOT SE 3 - H335	Xn;R65	
Asp. Tox. 1 - H304	Xi;R37	
Aquatic Chronic 2 - H411	N;R51/53	
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC		1-5%
CAS-No.: 64742-95-6	EC No.:	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Asp. Tox. 1 - H304	Xn;R65.	
SOLVENT NAPHTHA(PETROLEUM), LIGHT AROM.		< 1%
CAS-No.: 64742-95-6	EC No.:	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	Xn;R65.	
EUH066	Xi;R37.	
STOT SE 3 - H336, H335	N;R51/53.	
Asp. Tox. 1 - H304	R10,R66,R67.	
Aquatic Chronic 2 - H411		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

General information

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 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 eye lids. 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

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

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

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

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

#### 5.3. Advice for firefighters

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.

# SAFETY DATA SHEET - SURVEY & SPOT MARKER - BLUE 750ml

## SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Wear necessary protective 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.

6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Controls parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3	
BUTANE	WEL	600 ppm(Sk)	1450 mg/m3(Sk)	750 ppm(Sk)	1810 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Process conditions

No specific process measures

Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

Filter apparatus, type AX (EN371)

Hand protection

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.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Personal protection

It is advisable to wear suitable eye protection (goggles)

Skin protection

Suitable gloves

Thermal hazards

No specific thermal hazards noted

Environmental Exposure Controls

Due to the method of dispense, the product is likely to have a minimal environmental impact.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## SAFETY DATA SHEET - SURVEY & SPOT MARKER - BLUE 750ml

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

Appearance	Aerosol.
Colour	Paint product. Full range of colour spectrum
Odour	Ketonic. Characteristic of a solvent based paint product
Solubility	Immiscible or slightly miscible with water. Lighter than water (floatation probable).
Initial boiling point and boiling range (°C)	
Technically not feasible.	The boiling point of the lowest boiling point material is minus 40 degrees Celcius (-40). This is the boiling point of the propellant (LPG - Liquefied Petroleum Gas).
Melting point (°C)	
Scientifically unjustified.	The resin binder in the paint film begins to soften at temperatures in excess of 80 degrees Celcius.
Relative density Not relevant	<1.000 Ambient Not applicable
Bulk Density	
Not relevant	Not applicable
Vapour density (air=1)	Not determined. >1 The vapours are heavier than air.
Vapour pressure	
Not determined.	Propellant vapour pressure 590 - 1760 KPa
Flash point (°C)	
Technically not feasible.	The flash point of the lowest flash point material is minus 104 degrees Celcius (-104). This is the flash point of the propellant (LPG - Liquefied Petroleum Gas).
Flammability Limit - Lower(%)	0.8
Flammability Limit - Upper(%)	9.0

### 9.2. Other information

Volatile Organic Compound (VOC)	Maximum 839 g/litre Aerosol products which are used for vehicle refinishing are classed as Annex IIB subcategory (e). The maximum permitted VOC's are 840 g/l. The typical VOC content for this range of products is between 625 and 675 g/l. The VOC regulations do not apply to any other aerosol products except those which are used for vehicle refinishing.
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## SECTION 10: STABILITY AND REACTIVITY

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### 10.1. Reactivity

The product may form explosive vapours/air mixtures even at normal room temperatures.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not available.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids. Avoid exposing aerosol containers to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong alkalis. Strong oxidising substances.

### 10.6. Hazardous decomposition products

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

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### 11.1. Information on toxicological effects

Inhalation

May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage 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.

Eye contact

Irritating to eyes.

Route of entry

Inhalation. Skin and/or eye contact.

# SAFETY DATA SHEET - SURVEY & SPOT MARKER - BLUE 750ml

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment if discharged into watercourses.

### 12.1. Toxicity

Data set not currently available.

### 12.2. Persistence and degradability

The majority of the constituents are readily degradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

### 12.4. Mobility in soil

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

### 12.6. Other adverse effects

Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements. Industrial and institutional users should dispose of aerosols through a registered waste disposal company.

## SECTION 14: TRANSPORT INFORMATION

General For industrial and institutional users can transport these products as "Limited Quantities" (LQ). For the final stages of retail distribution within the UK (only), unpackaged LQ product may be transported without external packaging under the DfT road derogation 4. The user must confirm the condition of the derogation prior to road consignment.

### 14.1. UN number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

### 14.2. UN proper shipping name

Proper Shipping Name	AEROSOLS
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### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	2
ADR/RID/ADN Class	Class 2: Gases
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1

Transport Labels



### 14.4. Packing group

ADR/RID/ADN Packing group	Not Applicable
IMDG Packing group	Not Applicable
ICAO Packing group	Not Applicable

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

### 14.6. Special precautions for user

EMS	F-D, S-U
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# SAFETY DATA SHEET - SURVEY & SPOT MARKER - BLUE 750ml

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

Not relevant

## SECTION 15: REGULATORY INFORMATION

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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Aerosol Dispensers (Amendment) Regulations 2014 No.1130

Guidance Notes

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

EU Legislation

The Aerosol Dispensers Directive 1975/324 EEC

Regulation (EC) No.1272/2008 The Classification, Labelling and Packaging of substances and mixtures Regulations

Regulation (EC) No. 1907/2006 The Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations (REACH)

2001/95/EC The General Product Safety Directive (GPSD)

Commission Regulation (EU) 2015/830 Requirements for the compilation of safety data sheets (amending REACH)

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

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Revision Date	00/0/0000
Revision	1
Hazard Statements In Full	
EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.