

## **Smart Wise (UK.) Ltd.**

UNIT 5 ASHWYN BUSINESS CENTRE, MARCHANTS WAY  
SHEDDINGDEAN INDUSTRIAL ESTATE, BURGESS HILL  
WEST SUSSEX, RH15 8QY, Tel: 01444 257342

### **MATERIAL HAZARD DATA SHEET**

#### **1) Identification and Company**

Product: **LIQUID PLASTIC SOFT (AEROSOL)**  
Supplier: Smart Wise (UK.) Ltd., U5 Ashwyn Business Centre  
Marchants Way, Sheddingdean Ind. Estate, Burgess Hill  
West Sussex, RH15 8QY Tel: 01444 257342

#### **2) Hazardous Composition (Health effects)**

<u>Material:</u>	<u>&amp;</u>	<u>Health Class</u>	<u>Risk Phrases*</u>
Butyl Acetate	30-50	None	
Isobutyl Acetate	15-30	None	
Toluene	5-15	(Xn)Harmful	20
Ethyl Acetate	5-15	None	
1-Methoxy-2-Propanol	0.5-2.5	None	
Xylene	0.5-2.5	(Xi)Irritant.	(Xn)Harmful 20/21; 38
1,2,4-trimethylbenzine	0.5-2.5	(Xi)Irritant.	(Xn)Harmful 20; 36/37/38
Solvent naptha(petroleum)aromatic	0.5-2.5	(Xn)Irritant.	(Xn)Harmful 37; 65; 51/53
Di Methyl Ether	As propellant,	None	

\*Text of risk phrases:

20 – Harmful by inhalation.  
20/21 – Harmful by inhalation and in contact with skin.  
37 – Irritating to the respiratory system.  
36/37/38 – Irritating to the eyes, respiratory system and skin.  
38 – Irritating to the skin.  
51/53 – Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
65 – Harmful: May cause lung damage if swallowed.

#### **3) Hazards Identification**

Extremely Flammable  
Harmful by inhalation

#### **4) First Aid Measures**

- Eye Contact: Contact lenses should be removed. Irrigate eyes with plenty of water for at least 15 minutes holding eyelids apart. Get medical advice if irritation persists.
- Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists.
- Inhalation: Remove to fresh air. Keep warm and at rest. If breathing is difficult, oxygen may be necessary. If breathing is irregular or stopped, give artificial respiration. Seek prompt medical attention.
- Ingestion: Obtain immediate medical attention. Keep warm and at rest with fresh air. DO NOT induce vomiting. If vomiting occurs, the head should be kept low to prevent vomit entering the lungs.

#### **5) Fire Fighting Measures**

Extinguishing Media: Powder; Sand; Foam; CO<sub>2</sub>.

- Other information: Risk of explosion of fire exposed containers. Spray fire exposed containers with water to cool and lessen the risk of explosion. Vapours may travel a distance to ignition source and flash back. Fire will produce irritating smoke, gasses, vapour, fumes. Self contained breathing equipment may be required. Prevent run off water from entering drains, sewers and water courses.

#### **6) Accidental release Measures**

- Spillage / Leakage: Remove all sources of ignition and ventilate the area. May cause an explosion risk in confined spaces. Avoid breathing vapours. Refer to sections 7 & 8 for protection measures. Contain and collect spillage with non combustible with non-combustible absorbent material, e.g. sand, earth, vermiculite and place in a container for disposal in accordance with waste regulations. Prevent product from entering drains or water courses. In the event of product entering drains or sewers, inform the local water authority, or, in the case of streams, rivers or lakes, the National Rivers Authority.

## 7) Handling and Storage

Handling Procedures: Do not use or store in areas where potential sources of ignition exist. Electrical equipment should be explosion proof. Use non-sparking tools and exclude sources of heat, sparks and flames. Avoid skin and eye contact. (For personal protection see section 8).

Storage Requirements: Store in a dry well ventilated place away from sources of heat, ignition and direct sunlight. Containers should be earthed to prevent static electric sparks. Store separately from oxidising agents.

## 8) Personal Protection

### Exposure values

	<u>OES/MEL</u>	<u>8hr TWA</u>	<u>15min STEL</u>	
Butyl Acetate	OES	150 ppm	200 ppm	
Isobutyl Acetate	OES	150 ppm	187 ppm	
Toluene	OES	50 ppm	150 ppm	
Ethyl Acetate	OES	400 ppm (sk)	N/A	
1-methoxy-2-propanol	OES	100 ppm (sk)	300 ppm	(sk)
Xylene	OES	100 ppm (sk)	150 ppm	(sk)
Dimethyl Ether	OES	400 ppm	500 ppm	

Engineering controls: Ensure adequate explosion proof ventilation to maintain concentrations are below the individual exposure standards.

Personal Protective Equipment: Suitable respirators must be worn if product vapour concentrations are higher than OES's. Chemical resistant gloves and barrier cream should be used to protect hands. Goggles or visor should be worn if splashing is likely to occur. Overalls should be worn during use and removed and washed when contaminated.

Hygiene: Do not eat, drink or smoke while using this product. Wash well with soap and water before eating, drinking, smoking or using the toilet.

## 9) Physical and Chemical Properties

Form:	Liquid/Aerosol
Colour:	Clear/Colourless
Solubility in water:	Insoluble
Auto ignition temperature:	>230 degrees C

Flash Point:	<0 degrees C
UEL:	18 (% volume in air)
LEL:	1.1 “ “

#### 10) Stability and Reactivity

Stability: Normally stable

Hazardous Products

Of Decomposition: Smoke, carbon dioxide, carbon monoxide.

Incompatibility: Oxidizing agents. Strong alkalines. Strong mineral acids.  
Avoid all heat and ignition sources.

#### 11) Toxicological Information

General health hazard; Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Routes of entry: Inhalation, skin, eyes.

Inhalation: May cause irritation to the respiratory system. Solvent vapours are hazardous. Excessive concentrations may cause nausea, sickness, headaches and central nervous system depression.

Ingestion: May cause stomach pain or vomiting.

Skin: Irritating to skin. Product has a defatting effect on skin.

Eyes: Irritating to eyes.

#### 12) Ecological Information

No negative effects on the aquatic environment are known. The product should not be allowed to enter drains or water courses or be deposited where it may effect ground or surface water.

#### 13) Disposal Considerations

Dispose of in accordance with Local Authority requirements.

#### 14) Transport Information

Road:	UN No:	1950
	ADR Class:	2
	ADR Item No:	10
	ADR Label No:	3

Rail:	UN No:	1950	Class: 3
Sea:	UN No:	1950	Class: 9
Air:	UN No:	1950	Class: 2

## 15) Regulatory Information

### LABEL FOR SUPPLY:

RISK PHRASES:	R-12	Extremely flammable.
	R-20	Harmful by inhalation.
	R-36	Irritating to eyes.
	R-66	Repeated exposure may cause skin dryness or cracking.
SAFETY PHRASES:	S-2	Keep out of reach of children.
	S-16	Keep away from sources of ignition – No Smoking.
	S-23A	Do not breathe gas/fumes/vapour/spray.
	S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S-51	Use only in well ventilated areas.

**BRITISH AEROSOL MANUFACTURERS' ASSOCIATION RECOMMENDATIONS**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 degrees C. Do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material.

Use only as directed. Intentional misuse by deliberately concentrating or by inhaling contents can be harmful or fatal.

**ADDITIONAL INFORMATION:**

\*A tactile danger warning is required on this product if intended to be sold to the general public.

### UK REGULATORY REFERENCES:

Chemicals (Hazard Information & Packaging) Regulations 1993.

## **16) Other Information**

Intended for use only as described in product information sheets and other authorized printed literature such as instruction leaflets, packaging, etc.

This data sheet gives information only on the hazards of the product. Refer to Control of Substances Hazardous to Health Regulations 1988 and subsequent amendments for information on risk assessment.

Compiled July 1999 from manufacturers data sheets.