

**SAFETY DATA SHEET - REGULATIONS 1994 (CHIP 2)**

**WE urge the customer receiving this Material Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved.**

**In the interests of safety you should:**

- 1) notify your employees, agents and contractors of the information on this sheet,
- 2) furnish a copy to each of your customers for the product, and
- 3) request your customers to inform their employees and customers as well.

**1) Identification and Company**

<b>Date revised:</b> 10 02 03	<b>Revision No:</b> 12 <b>Compiler:</b> Mr F M Jachim
Manufacturer or Supplier	<b>Parasol Inc.</b>
Product Name:	<b>Plastikprep</b>
Chemical Characterisation:	Adhesion promoter for most hard plastics.
Form	Liquid - 1 litre, 5 litre cans and 20 litre. pails.
Colour	Clear
Odour	<b>Characteristic odour</b>

**2) Composition**

Material	CAS No:	% Content	Risk	Symbol	Risk Phrases
Methyl Isobutyl Ketone	108-10-1	70		Xi	11,20,36,37,66
Toluene	108-88-3	22.50		Xn	11,20
Xylene	1330-20-7	2.5		Xn	10,20,21,38
Chlorobenzene	108-90-7	0.09		Xn	10,20,51,53
Vinyl Acetate	108-90-7	0.07		Xn	11
Epoxidized oil	61789-01-3	0.11		None	None
Chlorinated Polyolefin	68609-36-9	2.30		None	None
Ethylene/Vinyl Acetate Copolymer	Not required	2.43		None	None

### 3) Hazards Identification

Physical	Highly Flammable. R-11
Adverse Human Effects	Can enter the body by inhalation, ingestion, or through the skin. Irritates the eyes, skin and respiratory tract.  Liquid removes the skin's natural oils.  Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

### 4) First Aid Measures

Inhalation	Move the exposed person to fresh air at once.  Get medical attention immediately.
Ingestion	Do not induce vomiting.  Obtain medical attention immediately.
Skin	Wash the skin immediately with soap and water.  Use a moisturiser.  Get medical attention if any discomfort continues.
Eye	Flush with plenty of water for several minutes.  Make sure to remove any contact lenses before rinsing.  Continue to rinse for at least 15 minutes.  If irritation persists, refer for medical attention.

### 5) Fire Fighting Measures

Extinguishing Media	Use a dry chemical powder, foam or carbon dioxide extinguisher, sand or earth.  Do not use water in a jet.
Special Fire Fighting Procedures	Containers close to fire should be removed or cooled with water.  Use water to keep fire-exposed containers cool. Wear self-contained breathing apparatus and suitable protective clothing.

Unusual Fire & Explosion Hazards Risk of explosion if heated.

## 6) Accidental Release Measures

Spillage/Leakage/Gas Leakage

Extinguish all ignition sources.

Avoid sparks, flames, heat and smoking.

Ventilate.

Wear the necessary protective equipment.

Prevent the liquid from spreading with sand or sawdust.

Shovel up and remove to a safe place.

Flush contaminated area with water.

If leakage cannot be stopped evacuate area.

Ventilate well.

Do not contaminate water sources or sewer.

Shovel up and remove to a safe place.

Extinguish naked flames.

Ensure adequate ventilation.

Wear protective clothing and breathing apparatus as outlined below.

## 7) Handling and Storage

Handling Precautions

Ensure adequate positive ventilation to keep concentrations well below hazard levels.

Keep away from heat, sparks and open flames.

Storage Precautions

Containers must not be exposed to direct sunlight or temperatures above 50°C.

Store away from oxidising agents.

Avoid exposure to sources of heat or ignition.

Keep containers tightly closed.

Avoid build up of static electricity.

## 8) Exposure Controls and Personal Protection

Name	CAS No.	ST D	LT EXP (8 hrs)	ST EXP (15 min)
Toluene	108-88-3	OE S	50 ppm (SK)	100 ppm (SK)
Methyl Isobutyl Ketone	108-10-1	OE S	50 ppm (SK)	100 ppm (SK)
Xylene	1330-20-7	OE S	100 ppm (SK)	150 ppm (SK)
Chlorobenzene	108-90-7	OE S	10 ppm (SK)	None listed
Vinyl Acetate	108-05-4	OE S	10 ppm (SK)	20 ppm (SK)

### Comments

OES = Occupational Exposure Standard

SUP = Supplier's Recommendation

SK = Can be absorbed through skin

### Protective Equipment

Wear goggles giving complete protection to eyes.

Wear nitrile rubber gloves.

Wear overalls.

Avoid contact with liquid.

Wear an approved breathing apparatus when concentrations above 100 ppm are present.

### 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).

### Protective Gloves

Use protective nitrile rubber gloves.

### Eye Protection

Use approved safety goggles or face shield.

### Protective Clothing

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### Industrial Hygiene Work Routine

DO NOT SMOKE IN WORK AREA.

Wash at the end of each work shift and before eating, smoking and using the toilet.

Promptly remove any clothing that becomes contaminated.

No eating or drinking while working with this material.

## 9) Physical and Chemical Properties

Appearance	Liquid - various size containers.
Odour	Characteristic
Colour	Clear
Change in Physical State	Melting point below - 84°C Boiling point 110°C
Density	0.83 g/ml @ 20°C
Solubility in water	(20°C) less than 20 g/l
Flash Point	5°C Closed Cup
Ignition Temperature	460°C
Flammability Limit (upper %)	7.5
Flammability Limit (lower %)	1.4

## 10) Stability and Reactivity

Thermal Decomposition	Thermal decomposition will occur.
Hazardous Decomposition	
Products	Fire creates: Vapours / Gases / Carbon Monoxide (CO) & Carbon dioxide (CO <sub>2</sub> ) Fumes
Hazardous Reactions	No hazardous decomposition products when stored and used correctly.
Conditions To Avoid	Avoid heat, flames and other sources of ignition.  Avoid contact with strong oxidising agents, strong alkali, and strong mineral acids.

## 11) Toxicological Information



ADR:	Proper Shipping Name	Paint related material
ADR:	Class	3
ADR:	Packing Group	II
ADR:	Classification Code	F1
ADR:	Transport Category	2
ADR:	Hazard Identification Number	33

**Shipping:**

IMDG:	UN Number	1263
IMDG:	Proper Shipping Name	Paint related material
IMDG:	Class	3
IMDG:	Packing Group	II
IMDG:	EmS	F-E, S-E

**Air Transport:**

IATA:	UN Number	1263
IATA:	Proper Shipping Name	Paint related material
IATA:	Class	3
IATA:	Packing Group	II
IATA:	Packing Instruction	305

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**15) Regulatory Information**

**Risk Phrases**

R-11	Highly Flammable.
R-20	Harmful by inhalation
R21	Harmful in contact with skin.
R-36	Irritating to eyes.
R-37	Irritating to respiratory system.
R-38	Irritating to skin.

**Safety Phrases**

R-66	Repeated exposure may cause skin dryness or cracking.
R-10	Flammable.
S-9	Keep container in well ventilated area.
S-16	Keep away from heat and sources of ignition.
S-21	No Smoking.
S-23	Do not breathe vapour/spray.
S-24	Avoid contact with skin.
S-25	Avoid contact with eyes.
S-29	Do not empty into drains
S-33	Take precautionary measures against static discharges.
S-37	Wear suitable gloves.
S-51	Use only in well ventilated areas.

**UK Regulatory References:**

Chemicals (Hazard Information and Packaging for Supply)  
Regulations 1994 (CHIP 2)

Chemicals (Hazard Information and Packaging for Supply)  
Regulations 1994 (CHIP 2) Regulation 6

Chemicals (Hazard Information and Packaging for Supply)  
(Amendment) Regulations 1996 (CHIP 96)

Chemicals (Hazard Information and Packaging for Supply)  
(Amendment) Regulations 1997 (CHIP 97)

Chemicals (Hazard Information and Packaging for Supply)  
(Amendment) Regulations 1998 (CHIP 98)

Chemicals (Hazard Information and Packaging for Supply)  
(Amendment) Regulations 1999 (CHIP 99)

Chemicals (Hazard Information and Packaging for Supply)  
(Amendment) (No. 2) Regulations 1999 (CHIP 99(2))

IATA - Dangerous Goods Regulations  
IMDG - International Maritime Dangerous Goods Code

ADR - Dangerous Goods Code

UK Publication References:

Approved Guide to the Classification and Labelling of  
Substances and Preparations Dangerous for Supply.

(Guidance on Regulations) (Fourth Edition)

Safety Data Sheets for Substances and Preparations Dangerous for Supply.  
(Approved Code of Practice) (Second Edition)

Approved Supply List - Information Approved for the

Classification and Labelling of Substances and Preparations Dangerous for  
Supply. (Fifth Edition)

Carriage of Dangerous Goods - Guidance for Consignors of Dangerous  
Goods.

Occupational Exposure Limits.

UK Environmental References:

Control of Pollution (Special Waste Regulations) Act

Rivers (Prevention of Pollution) Act

UK Statutory References:

Chemicals (Hazard Information and Packaging for Supply)

Regulations 1994 (CHIP 2)

## 16) Other Information

Emergency Action

Notify Police and Fire Brigade immediately.

## 17) Disclaimer

Disclaimer

The information accumulated herein is believed to be accurate and reliable as of the date above, however Parasol Inc. makes no representation, warranty or guarantee nor assumes any legal responsibility as to its accuracy, reliability or completeness. Ultimate determination of suitability for intended use is the responsibility of the user.

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in accordance with EU Directives