



# SAFETY DATA SHEET

## Premium Gloss Clear Sealer

According to Regulation (EC) No 1907/2006

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

#### 1.1. Product identifier

**Product Name** Premium Gloss Clear Sealer  
**Internal Id** A24000

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

**Identified uses** Speciality Paint  
**Uses Advised Against** Must not be handled in confined space without sufficient ventilation.

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

**Supplier:** Plasti-Kote Ltd.  
PO Box 867,  
Pampisford,  
Cambridge,  
CB22 3XP  
T : 44 (0) 1223 836400  
F : 44 (0) 1223 836686  
sds@plasti-kote.co.uk

#### 1.4. Emergency telephone number

+44(0)1223 836400 (08:30am to 16:00pm Monday-Friday)

### SECTION 2: HAZARDS IDENTIFICATION

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

**Classification (1999/45/EEC)** Xi;R36. F+;R12. R66, R67.

##### Human Health

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Spray and vapour in the eyes may cause irritation and smarting.

##### Environment

The product is not expected to be hazardous to the environment.

##### Physical And Chemical Hazards

The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures. Containers can burst violently when heated, due to excess pressure build-up.

#### 2.2. Label elements

##### Labelling



Irritant



Extremely Flammable

##### Risk Phrases

R12	Extremely flammable.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

# Premium Gloss Clear Sealer

## Safety Phrases

S2	Keep out of the reach of children.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51	Use only in well-ventilated areas.
A1	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2	Do not spray on a naked flame or any incandescent material.

## 2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>ACETONE</b>	<b>30-60%</b>
<b>CAS-No.: 67-64-1</b>	<b>EC No.: 200-662-2</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67
<b>ISOBUTYL ACETATE</b>	<b>10-30%</b>
<b>CAS-No.: 110-19-0</b>	<b>EC No.: 203-745-1</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066	Classification (67/548/EEC) F;R11 R66
<b>XYLENE</b>	<b>5-10%</b>
<b>CAS-No.: 1330-20-7</b>	<b>EC No.: 215-535-7</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548/EEC) R10 Xn;R20/21 Xi;R38
<b>BUTANE</b>	<b>5-10%</b>
<b>CAS-No.: 106-97-8</b>	<b>EC No.: 203-448-7</b>
<b>Substance with National workplace exposure limits</b>	
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548/EEC) F+;R12

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<b>ETHYLBENZENE</b>	<b>1-5%</b>
<b>CAS-No.: 100-41-4</b>	<b>EC No.: 202-849-4</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 4 - H332	Classification (67/548/EEC) F;R11 Xn;R20

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

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **Inhalation.**

Move the exposed person to fresh air at once. Place unconscious person on the side in the recovery position and ensure breathing. Keep the affected person warm and at rest. Get prompt medical attention.

#### **Ingestion**

Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention if any discomfort continues.

#### **Skin Contact**

Wash skin with soap and water. Get medical attention if any discomfort continues.

#### **Eye Contact**

Spray in the eyes: 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

#### **General Information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

#### **Inhalation.**

Vapours may cause headache, fatigue, dizziness and nausea. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

#### **Ingestion**

Due to the physical nature of this material it is unlikely that swallowing will occur. May cause nausea, headache, dizziness and intoxication.

#### **Skin Contact**

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

#### **Eye Contact**

Irritation of eyes and mucous membranes.

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

Not applicable.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing Media**

Extinguish with foam, carbon dioxide, dry powder or water fog.

#### **Unsuitable Extinguishing Media**

Do not use water jet as an extinguisher, as this will spread the fire.

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

#### **Hazardous Combustion Products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### **Unusual Fire & Explosion Hazards**

Aerosol cans may explode in a fire. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures. Vapours are heavier than air and may spread near ground to sources of ignition.

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## Specific Hazards

Pressurised container: Must not be exposed to temperatures above 50°C.

### 5.3. Advice for firefighters

### **Special Fire Fighting Procedures**

Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved. Use water spray to reduce vapours.

### **Protective Measures In Fire**

Wear full protective clothing. Use air-supplied respirator during fire fighting.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid inhalation of vapours and aerosol spray. In case of inadequate ventilation use suitable respirator. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

Exposure to aquatic environment unlikely. Avoid discharge into drains.

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

Clean contaminated area with oil-removing material.

### 6.4. Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. During application and drying, solvent vapours will be emitted. Avoid inhalation of vapours and spray mists. Keep away from heat, sparks and open flame. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

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

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place.

### 7.3. Specific end use(s)

Paint

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m <sup>3</sup>	1500 ppm	3620 mg/m <sup>3</sup>	
BUTANE	WEL	600 ppm	1450 mg/m <sup>3</sup>	750 ppm	1810 mg/m <sup>3</sup>	
ETHYLBENZENE	WEL	100 ppm	441 mg/m <sup>3</sup>	125 ppm	552 mg/m <sup>3</sup>	Sk
ISOBUTYL ACETATE	WEL	150 ppm	724 mg/m <sup>3</sup>	187 ppm	903 mg/m <sup>3</sup>	
XYLENE	WEL	50 ppm	220 mg/m <sup>3</sup>	100 ppm	441 mg/m <sup>3</sup>	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

### 8.2. Exposure controls

#### **Protective Equipment**

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## Respiratory Equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Wear mask supplied with: Gas cartridge suitable for organic substances.

## Hand Protection

Skin irritation is not anticipated when used normally. For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Butyl rubber. Nitrile. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

## Eye Protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

## Hygiene Measures

When using do not eat, drink or smoke. Wash promptly with soap & water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove non-impervious clothing that becomes contaminated.

## Thermal Hazards

Contains petroleum gas, liquefied. Contact with liquid form may cause frostbite.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Appearance</b>	Aerosol
<b>Colour</b>	Misc. colours
<b>Odour</b>	Organic solvents.
<b>Solubility</b>	Immiscible with water Soluble in: Organic solvents.
<b>Initial Boiling Point and Boiling Range:</b>	-42 °C - 0 °C @ 760 mm Hg (petroleum gas)
<b>Melting Point (°C)</b>	Not available. Technically not feasible.
<b>Relative Density</b>	~ 0.85
<b>Vapour Density (Air=1)</b>	>1 The product contains organic solvents which will evaporate easily from all surfaces.
<b>Flash Point (°C)</b>	< -60°C CC (Closed cup). (petroleum gas)
<b>Auto Ignition Temperature (°C)</b>	~ 450 °C (petroleum gas)
<b>Flammability Limit - Lower(%)</b>	2 % (petroleum gas)
<b>Flammability Limit - Upper(%)</b>	10 % (petroleum gas)

### 9.2. Other information

**Volatility Description** Highly volatile.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

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## 10.3. Possibility of hazardous reactions

Not applicable.

### **Hazardous Polymerisation**

Will not polymerise.

## 10.4. Conditions to avoid

When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Avoid heat, flames and other sources of ignition. Aerosol containers can explode when heated, due to excessive pressure build-up. Avoid exposure to high temperatures or direct sunlight.

## 10.5. Incompatible materials

### **Materials To Avoid**

Strong oxidising substances.

## 10.6. Hazardous decomposition products

None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Inhalation**

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

#### **Ingestion.**

No harmful effects expected in amounts likely to be ingested by accident. May cause discomfort if swallowed. May irritate and cause stomach pain, vomiting and diarrhoea.

#### **Skin Contact**

Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking.

#### **Eye Contact**

Irritating to eyes. Spray and vapour in the eyes may cause irritation and smarting.

#### **Route of entry**

Inhalation. Skin and/or eye contact.

#### **Target Organs**

Eyes Central nervous system Respiratory system, lungs

<b>Name</b>	<b>XYLENE</b>
<b>Toxic Dose 1 - LD 50</b>	3523 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	>4200 mg/kg (dermal rabbit)
<b>Toxic Conc. - LC 50</b>	6700 ppm/4h (inh-rat)
<b>Name</b>	<b>ETHYLBENZENE</b>
<b>Toxic Dose 1 - LD 50</b>	3500 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	15400 mg/kg (dermal rabbit)
<b>Toxic Conc. - LC 50</b>	4000 ppm/4h (inh-rat)
<b>Name</b>	<b>ACETONE</b>
<b>Toxic Dose 1 - LD 50</b>	5800 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	20000 mg/kg (dermal rabbit)
<b>Toxic Conc. - LC 50</b>	76 mg/l/4h (inh-rat)
<b>Name</b>	<b>ISOBUTYL ACETATE</b>
<b>Toxic Dose 1 - LD 50</b>	13413 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	>17400 mg/kg (dermal rabbit)
<b>Toxic Conc. - LC 50</b>	~ 30 mg/l/4h (inh-rat)
<b>Name</b>	<b>ETHYL 3-ETHOXY PROPIONATE</b>
<b>Toxic Dose 1 - LD 50</b>	4309 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	4080 mg/kg (dermal rabbit)
<b>Toxic Conc. - LC 50</b>	>998 ppm/4h (inh-rat)

## SECTION 12: ECOLOGICAL INFORMATION

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## **Ecotoxicity:**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### **12.1. Toxicity**

#### **Acute Fish Toxicity**

Not considered toxic to fish.

### **12.2. Persistence and degradability**

#### **Degradability:**

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Volatile substances are degraded in the atmosphere within a few days.

### **12.3. Bioaccumulative potential**

#### **Bioaccumulative Potential:**

The product does not contain any substances expected to be bioaccumulating.

### **12.4. Mobility in soil**

#### **Mobility:**

The product is immiscible with water and will spread on the water surface. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB Substances.

### **12.6. Other adverse effects**

Not applicable.

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<b>Name</b>	<b>XYLENE</b>
<b>Partition Coefficient</b>	2.77-3.15
<b>LC 50, 96 Hrs, Fish mg/l</b>	2.6 mg/L Oncorhyncus Mykiss
<b>EC 50, 48 Hrs, Daphnia, mg/l</b>	1 mg/L (24 h) Daphnia magna
<b>IC 50, 72 Hrs, Algae, mg/l</b>	4.36 mg/L Selenastrum capricornutum

## **Mobility**

Volatile. The product is insoluble in water and will spread on the water surface.

## **Bioaccumulative Potential**

Will not bio-accumulate.

<b>Name</b>	<b>ETHYLBENZENE</b>
<b>Partition Coefficient</b>	3.6
<b>LC 50, 96 Hrs, Fish mg/l</b>	4.2 mg/L Onchorhyncus mykiss
<b>EC 50, 48 Hrs, Daphnia, mg/l</b>	1.8-2.4 mg/L Daphnia magna
<b>IC 50, 72 Hrs, Algae, mg/l</b>	5.4 mg/L Selenastrum capricornutum

## **Mobility**

Volatile. The product is immiscible with water and will spread on the water surface.

## **Bioaccumulative Potential**

Will not bio-accumulate.

## **Degradability**

The substance is readily biodegradable.

<b>Name</b>	<b>ACETONE</b>
<b>Partition Coefficient</b>	- 0.24
<b>LC 50, 96 Hrs, Fish mg/l</b>	5540 mg/L Oncorhyncus Mykiss (Rainbow Trout)
<b>EC 50, 48 Hrs, Daphnia, mg/l</b>	12700 mg/L Daphnia Magna
<b>IC 50, 72 Hrs, Algae, mg/l</b>	7000 mg/L Selenastrum capricornutum

## **Mobility**

Highly volatile. The product is water soluble and may spread in water systems.

## **Bioaccumulative Potential**

The product is not bioaccumulating.

## **Degradability**

The product is easily biodegradable.

<b>Name</b>	<b>ISOBUTYL ACETATE</b>
<b>Partition Coefficient</b>	2.3
<b>LC 50, 96 Hrs, Fish mg/l</b>	17 mg/L Oryzias Latipes
<b>EC 50, 48 Hrs, Daphnia, mg/l</b>	25 mg/L Daphnia magna
<b>IC 50, 72 Hrs, Algae, mg/l</b>	370 mg/L Selenastrum capricornutum)

## **Mobility**

Volatile. The product is insoluble in water and will spread on the water surface.

## **Bioaccumulative Potential**

The product is not bioaccumulating.

## **Degradability**

The product is biodegradable.

<b>Name</b>	<b>ETHYL 3-ETHOXY PROPIONATE</b>
<b>Partition Coefficient</b>	1.47
<b>LC 50, 96 Hrs, Fish mg/l</b>	90 mg/L Pimephales promelas
<b>EC 50, 48 Hrs, Daphnia, mg/l</b>	>480 mg/L Daphnia magna
<b>IC 50, 72 Hrs, Algae, mg/l</b>	>115 mg/L Selenastrum capricornutum

## **Mobility**

Volatile. The product is partly miscible with water and may spread in the aquatic environment.

## **Bioaccumulative Potential**

Will not bio-accumulate.

## **Degradability**

The product is easily biodegradable.

## SECTION 13: DISPOSAL CONSIDERATIONS



# Premium Gloss Clear Sealer

## General Information

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Do not puncture or incinerate even when empty.

### 13.1. Waste treatment methods

Make sure containers are empty before discarding (explosion risk). Do not puncture or incinerate even when empty. Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### 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 (IATA : Aerosols, flammable)

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class	2 (5F)
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1

Transport Labels



### 14.4. 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
Tunnel Restriction Code	(D)

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

Not relevant.

## SECTION 15: REGULATORY INFORMATION

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

#### Environmental Listing

No listing noted.

#### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### Approved Code Of Practice

British Aerosol Manufacturers Association Standard

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## EU Legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

## National Regulations

The Aerosol Dispensers Regulations 2009 (SI 2824) The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

## Health And Environmental Listings

Regulation EC 2037/2000 on substances that deplete the ozone layer. Regulation EC 850/2004 on persistent organic pollutants. Regulation EC 689/2008 concerning the export and import of dangerous chemicals. None of the ingredients are listed.

## 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

**Revision Date** 28/04/2011

### Risk Phrases In Full

R12	Extremely flammable.
R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R11	Highly flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

### Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H220	Extremely flammable gas.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

## Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials 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, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.