



# SAFETY DATA SHEET

## Zinc Primer

According to Regulation (EC) No 1907/2006

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Zinc Primer
PRODUCT NO.	A10599NF
APPLICATION	Speciality Paint
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
EMERGENCY TELEPHONE	+44(0)1223 836400 (08:30am to 16:00pm Monday-Friday)

### 2 HAZARDS IDENTIFICATION

Extremely flammable. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION F+;R12. N;R50/53.

#### ENVIRONMENT

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### PHYSICAL AND CHEMICAL HAZARDS

Pressurised container: Must not be exposed for temperatures above 50°C. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures.

#### HUMAN HEALTH

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ZINC POWDER (PYROPHORIC)	231-175-3	7440-66-6	30-60%	F;R15,R17 N;R50/53
XYLENE	215-535-7	1330-20-7	10-30%	R10 Xn;R20/21 Xi;R38
ISOBUTYL ACETATE	203-745-1	110-19-0	10-30%	F;R11 R66
BUTANE	203-448-7	106-97-8	5-10%	F+;R12
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	265-149-8	64742-47-8	1-5%	Xn;R65. R66.
ETHYLBENZENE	202-849-4	100-41-4	1-5%	F;R11 Xn;R20
PROPAN-2-OL	200-661-7	67-63-0	1-5%	F;R11 Xi;R36 R67
ZINC OXIDE	215-222-5	1314-13-2	1-5%	N;R50/53
N-METHYL-2-PYRROLIDONE	212-828-1	872-50-4	< 1%	Repr. Cat. 2;R61 Xi;R36/37/38

The Full Text for all R-Phrases are Displayed in Section 16

# Zinc Primer

## 4 FIRST-AID MEASURES

### GENERAL INFORMATION

Move the exposed person to fresh air at once.

### INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. 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

Immediately rinse with water. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention promptly if symptoms occur after washing.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

### SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to reduce vapours. Aerosol cans may explode in a fire. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Extremely flammable. Forms explosive mixtures with air. May explode in a fire. Vapours are heavier than air and may spread near ground to sources of ignition.

### SPECIFIC HAZARDS

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

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

### ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

### SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Provide ventilation and confine spill. Do not allow runoff to sewer.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Avoid inhalation of vapours and spray mists. Do not spray on a naked flame or any incandescent material. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

### STORAGE PRECAUTIONS

Extremely flammable. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

# Zinc Primer

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3	
ETHYLBENZENE	WEL	100 ppm	441 mg/m3	125 ppm	552 mg/m3	Sk
ISOBUTYL ACETATE	WEL	150 ppm	724 mg/m3	187 ppm	903 mg/m3	
N-METHYL-2-PYRROLIDONE	WEL	25 ppm	103 mg/m3	75 ppm	309 mg/m3	Sk
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	
XYLENE	WEL	50 ppm	220 mg/m3	100 ppm	441 mg/m3	Sk
ZINC OXIDE	WEL		5 mg/m3		10 mg/m3	

WEL = Workplace Exposure Limit.  
 Sk = Can be absorbed through skin.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. In case of inadequate ventilation use suitable respirator.

### HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

### 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 if skin becomes wet or contaminated.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol		
COLOUR	Varying		
ODOUR	of solvents		
PHYSICAL DATA	Information given concerns the major ingredient. 23 Flammable gas.		
COMMENTS			
FLASH POINT (°C)	<-40°C	AUTO IGNITION TEMPERATURE (°C)	410-580
FLAMMABILITY LIMIT - LOWER(%)	1.8%	FLAMMABILITY LIMIT - UPPER(%)	9.5%

## 10 STABILITY AND REACTIVITY

### STABILITY

Highly volatile.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

## 11 TOXICOLOGICAL INFORMATION

### SKIN CONTACT

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

### EYE CONTACT

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

### HEALTH WARNINGS

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Arrhythmia, (deviation from normal heart beat).

# Zinc Primer

**ROUTE OF ENTRY**

Inhalation.

**TARGET ORGANS**

Central nervous system. Respiratory system, lungs.

**MEDICAL SYMPTOMS**

Narcotic effect. Vapours may cause drowsiness and dizziness.

**12 ECOLOGICAL INFORMATION**

**ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment. The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. Dangerous for the environment if discharged into watercourses. Do not allow to enter drains, sewers or watercourses.

**13 DISPOSAL CONSIDERATIONS**

**DISPOSAL 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.

**14 TRANSPORT INFORMATION**



PROPER SHIPPING NAME	AEROSOLS (IATA: Aerosols, flammable)		
UN NO. ROAD	1950	ADR CLASS NO.	2, 5F
ADR CLASS	Class 2.1: Flammable gases.	ADR PACK GROUP	-
TUNNEL RESTRICTION CODE	(E)	ADR LABEL NO.	2.1
RID CLASS NO.	2, 5F	RID PACK GROUP	-
UN NO. SEA	1950	IMDG CLASS	2.1
IMDG PACK GR.	-	EMS	F-D, S-U
UN NO. AIR	1950	AIR CLASS	2.1
AIR PACK GR.	-		

**15 REGULATORY INFORMATION**

**LABELLING**



Extremely Flammable



Dangerous for the environment

**RISK PHRASES**

R12	Extremely flammable.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

# Zinc Primer

## 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.
S29	Do not empty into drains.
S51	Use only in well-ventilated areas.
A1	Pressurised 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.

## UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. Chemicals (Hazard Information & Packaging) Regulations.

## EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC. Aerosol directive 75/324/EEC as amended by 94/01/EEC. 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.

## STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health. The Aerosol Dispensers Regulations 1977 and 1997.

## APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. British Aerosol Manufacturers Association Standard

## 16 OTHER INFORMATION

REVISION DATE 08-10-2009

## RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R15	Contact with water liberates extremely flammable gases.
R17	Spontaneously flammable in air.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R38	Irritating to skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

## 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.