



FIRE RESISTANT AQUASTEEL WB+

**GLOSS FINISH****HEALTH AND SAFETY DATA****1. IDENTIFICATION OF PRODUCT AND COMPANY**

**Product:** Zeroflame AquaSteel WB+ Gloss Finish is an exceptionally hard wearing decorative finish for application over Zeroflame WB+ Intumescent Coating.

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**2. HAZARDS IDENTIFICATION**

Flammable. Repeated exposure may cause skin dryness or cracking. Limited evidence of a carcinogenic effect. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**CLASSIFICATION:** Carc 3;R40. N;R51/53. R10, R66.

**ENVIRONMENT:** The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12.

**PHYSICAL AND**

**CHEMICAL HAZARDS:** The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

**HUMAN HEALTH:** Known or suspected carcinogen for humans. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Vapours/aerosol spray may irritate the respiratory system. Irritating to eyes. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

**3. COMPOSITION OF PREPARATION**

Name	CAS No.	EC No.	Classification	%
White Spirit	64742-82-1	265-185-4	Xn;R65. N;R51/53. R10, R66.	10-30%
Alkanes, C10-C13, Chloro	85535-84-8	587-476-5	Carc3;R40. N;R50/53.	5-10%
Antimony Trioxide	1309-64-4	215-170-0	Carc3;R40	5-10%
Naptha (Petroleum) Hydro-treated Heavy	64742-48-9	265-150-3	Xn;R65. R10, R67, R52.	1-5%
Fatty acids, C6-C19-branched, zinc salts	68551-44-0		Xi;R38. N;R51/53.	<1%
Cobalt Carbonxylate	13586-82-8	237-015-9	Xn;R22. Xi;R38. N;R51/53. R43.	<1%
Ethyl Methyl Ketoxime	96-29-7	202-496-6	Carc3;R40. Xn;R21 R43. Xi;R41	<1%

The Full Text of R-Phrases are displayed in Section 16.

#### 4. FIRST AID MEASURES

- General:** General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.
- Inhalation:** Place unconscious person on the side in the recovery position and ensure breathing if respiratory problems, artificial respiration/oxygen. 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. Get medical attention promptly if symptoms occur after washing.
- Skin Contact:** Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.
- Ingestion:** Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and take these instructions.

#### 5. FIRE FIGHTING MEASURES

- Extinguishing Media:** Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.
- Special Fire Fighting Procedures:** Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.
- Unusual Fire & Explosion Hazards:** Fire causes formation of toxic gases.
- Protective Measures In Fire:** Self contained breathing apparatus and full protective clothing must be worn in case of fire.

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal Protection:** Wear protective clothing as described in Section 8 of this safety data sheet.
- Environmental Precautions:** Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
- Spill Clean Up Methods:** Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

## 7. HANDLING AND STORAGE

**Usage Precautions:** 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. Vapours are heavier than air and may spread near ground to sources of ignition.

**Storage:** Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Name	Std	LT – ppm	LT – mg/m3	ST – ppm	ST – mg/m3
White Spirit	OES		600 mg/m3		
Naptha (Petroleum) Hydrotreated Heavy	OES		1000 mg/m3		

**Ingredient**

**Comments:** WEL = Workplace Exposure Limits due to the hazardous nature of ingredients, exposure should be minimal.

**Engineering**

**Measure:** Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. All handling to take place in well ventilated area.

**Respiratory**

**Protection:** Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

**Hand Protection:** For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

**Eye Protection:** Wear splash-proof eye goggles to prevent any possibility of eye contact.

**Other Protection:** Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene Measures:** 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. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid	<b>Colour:</b>	Misc. Colours
<b>Odour:</b>	Characteristic Hydrocarbon	<b>Solubility:</b>	Slightly soluble in water.
<b>Relative Density:</b>	1.0-1.2 (dependant on colour)	<b>Vapour Density (air=1)</b>	Heavier than air
<b>Flash Point:</b>	37 CC (Closed Cup)	<b>Flammability Limit - Lower (%)</b>	0.8
<b>Flammability Limit - Upper(%)</b>	12.0		

## 10. STABILITY AND REACTIVITY

**Stability:** No particular stability concerns.

**Conditions to avoid:** Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers. In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen and hydrochloric acid may be produced.

**Hazardous Decomposition**

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

## 11. TOXICOLOGICAL INFORMATION

**General Information:** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation:** In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

**Ingestion:** Gastrointestinal symptoms, including upset stomach. Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

**Skin Contact:** Prolonged or repeated exposure may cause severe irritation.

**Eye Contact:** May cause temporary eye irritation.

**Other Health Effects:** Carcinogen Category 3.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

**General Information:** Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**Disposal Methods:** Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand, dispose in licensed special waste.

## 14. TRANSPORT INFORMATION

**General:** In pack sizes less than 450 litres, under the terms of 2.2.3.1.5, this product is not subject to the provisions of ADR.

UK Road Class:	3	UN No. Road:	1263
Proper Shipping Name:	Paint/Paint Related Material	UK Road Pack Gr.:	III
ADR Class No.:	3	ADR Class:	Class 3: Flamm. Liquids
ADR Pack Group:	III	Hazard No. (ADR):	33
ADR Label No.:	3	Hazchem Code:	3Y
CEPIC TEC(R) No.:	30GF1-III, 30GF1-sp	RID Class No.:	3
RID Pack Group:	III	UN No. Sea:	1263
IMDG Class:	3	IMDG Page No.:	3
IMDG Pack Gr.:	III	EMS:	F-E, S-D
MFAG:	See Guide	Marine Pollutant:	No.
UN No. Air:	1263	Air Class:	3
Air Pack Gr.:	III		

## 15. REGULATORY INFORMATION

**Contains:** Alkanes, C10-C13, Chloro Antimony Trioxide

**Risk Phrases:** R10 Flammable.  
 R40 Limited evidence of a carcinogenic effect.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R66 Repeated exposure may cause skin dryness or cracking.

**Safety Phrases:**S13 Keep away from food, drink and animal feeding stuffs.  
 S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
 S36/37 Wear suitable protective clothing and gloves.  
 S46 If swallowed, seek medical advice immediately and show this container or label.  
 S51 Use only in well-ventilated areas.  
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.  
 P14 Contains Cobalt Carboxylate, ETHYL METHYL KETOXIME. May produce an allergic reaction.

**EU Directives:** System of specific information relating to Dangerous Preparations. 2001/58/EEC.  
 Dangerous Preparations Directive 1999/45/EEC.

### Approved Code

**Of Practice:** Safety Data Sheets for Substances and Preparations. Classification and Labeling of Substances and Preparations Dangerous for Supply.

### National

**Regulations:** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40).

## 16. OTHER INFORMATION

### FULL TEXT OF RISK PHRASES:

- R10 Flammable.
- R21 Harmful in contact with skin.
- R22 Harmful if swallowed.
- R38 Irritating to skin.
- R40 Limited evidence of a carcinogenic effect.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52 Harmful to aquatic organisms.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

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