



SAFETY DATA SHEET

RUBBOL AZ PLUS

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

Product name and/or code : RUBBOL AZ PLUS

Manufacturer/Distributor : AkzoNobel Decorative Coatings
Wexham Road
Slough, Berkshire
United Kingdom, SL2 5DS
Tel Number: +44 (0) 1753 550000
Fax Number: +44 (0) 845 372 3421

e-mail address of person responsible for this SDS : sikkens.advice@akzonobel.com

Product use : High solid coating for exterior use.

Emergency telephone number (with hours of operation) : Emergency number is - 01753 550000 (24 hours)
International Sikkens 24 hours emergency number :
Tel.: +31 71 3086944

2. HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R10
R66

Physical/chemical hazards : Flammable.

Human health hazards : Repeated exposure may cause skin dryness or cracking.

Additional warning phrases : Contains 2-butanone oxime, fatty acids, c6-19-branched, cobalt(2+) salts, tolylfluorid. May produce an allergic reaction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name	CAS number	%	EC number	Classification
Naphtha (petroleum), hydrotreated heavy	64742-48-9	10 - 25	265-150-3	Xn; R65 R66, R67 [1] [2]
Naphtha (petroleum), hydrotreated heavy	64742-48-9	10 - 25	265-150-3	Xn; R65 R66 [1] [2]
hexanoic acid, 2-ethyl-, zirconium salt	22464-99-9	1 - 2.5	245-018-1	Xi; R38 [1] [2]
2-butanone oxime	96-29-7	0 - 1	202-496-6	Carc. Cat. 3; R40 Xn; R21 Xi; R41 [1]

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3. COMPOSITION/INFORMATION ON INGREDIENTS

fatty acids, c6-19-branched, cobalt(2+) salts	68409-81-4	0 - 1	270-066-5	R43 Xn; R22 [1] Xi; R38 R43
tolyfluanid	731-27-1	0 - 1	211-986-9	N; R51/53 Xi; R36/37/38 [1] R43 N; R50
See section 16 for the full text of the R-phrases declared above				

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Workplace exposure limits, if available, are listed in section 8.

4. FIRST AID MEASURES

First-aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

- Extinguishing media** : Recommended: alcohol-resistant foam, CO₂, powders, water spray.
Not to be used : water jet.
- Recommendations** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product enters drains or sewers, immediately contact the local water company; in the case of contamination of streams, rivers or lakes, the relevant environment agency.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. HANDLING AND STORAGE

Handling

: Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the workplace exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Put on appropriate personal protective equipment (see section 8).

Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws.

Storage

: Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources.

Keep away from: oxidising agents, strong alkalis, strong acids.
No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Do not empty into drains.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

: All engineering control measures used to control exposure to hazardous substances must be selected, maintained, examined and tested to meet the requirements of the Control of Substances Hazardous to Health Regulations (COSHH). Similarly all personal protective equipment, including respiratory protective equipment, must be selected, issued and maintained to meet the requirements of COSHH. These requirements include the provision of any necessary information, instruction and training with regard to their use. Special precautions should be taken during surface preparation of pre-1960's paint surfaces over wood and metal as they may contain harmful lead.

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the WEL, suitable respiratory protection must be worn.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name

Naphtha (petroleum), hydrotreated heavy
Naphtha (petroleum), hydrotreated heavy
hexanoic acid, 2-ethyl-, zirconium salt

Workplace exposure limits

EU OEL (Europe). Notes: Suppliers information
TWA: 1200 mg/m³ 8 hour(s).
EU OEL (Europe).
TWA: 1200 mg/m³ 8 hour(s).
EH40-WEL (United Kingdom (UK), 9/2006). Notes: As Zr
WEL 15 min limit: 10 mg/m³, (As Zr) 15 minute(s).
WEL 8 hrs limit: 5 mg/m³, (As Zr) 8 hour(s).

Personal protective equipment

Respiratory system : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Skin and body : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

Hands

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Eyes : Use safety eyewear designed to protect against splash of liquids.

Environmental exposure controls

Do not allow to enter drains or watercourses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid.
Flash point : Closed cup: 39°C (102,2°F)
Viscosity : Kinematic: 14,13 cm²/s (1413 cSt)
Relative density : 1,132

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see section 7).

Hazardous decomposition products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

11. TOXICOLOGICAL INFORMATION

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

Exposure to component solvent vapour concentrations in excess of the stated workplace exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

11. TOXICOLOGICAL INFORMATION

Contains 2-butanone oxime, fatty acids, c6-19-branched, cobalt(2+) salts, tolylfluanid. May produce an allergic reaction.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-butanone oxime	LD Dermal	Rat	>2 g/kg	-
	LD50 Dermal	Rabbit	200 uL/kg	-
	LD50 Oral	Rat	930 mg/kg	-
	LD50 Subcutaneous	Rat	2702 mg/kg	-
	TDL _o Oral	Rat	200 mg/kg	-
	TDL _o Oral	Rat	600 mg/kg	-
tolylfluanid	LD50 Dermal	Rat	500 mg/kg	-
	LD50 Oral	Rat	1 g/kg	-
	LD50 Subcutaneous	Rat	500 mg/kg	-

Conclusion/Summary : Not available.

Chronic toxicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

12. ECOLOGICAL INFORMATION

There is no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment but contains a substance or substances dangerous for the environment. See section 3 for details.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
2-butanone oxime	Mortality	Acute LC50	Fish - Fathead minnow - Pimephales promelas	96 hours
		843000 to 914000 ug/L Fresh water		
tolylfluanid	-	Acute EC50 0,19 mg/l	Daphnia	48 hours
	-	Acute IC50 >1 mg/l	Algae - Scenedesmus subspicatus	72 hours
	-	Acute LC50 0,055 mg/l	Fish - Leucisus Idus Melanotus	96 hours
	-	Acute LC50 0,016 mg/l	Fish - Oncorhynchus Mykiss	96 hours
Conclusion/Summary	: Not available.			

12. ECOLOGICAL INFORMATION

Biodegradability

Conclusion/Summary : Not available.

13. DISPOSAL CONSIDERATIONS

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

14. TRANSPORT INFORMATION

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Land - road/railway

UN number : UN1263
Transport document name : PAINT
Special provision 640 : E
ADR/RID Class : 3
Packing group : III
ADR/RID Label : Exempted according to 2.2.3.1.5 (Viscous substance exemption)



Sea

UN number : UN1263
Proper shipping name : PAINT
Special provisions : Not available.
IMDG Class : 3
Packing group : III
IMDG Label : Exempted according to 2.3.2.5 (Viscous substance exemption)



Marine pollutant : No.
Emergency schedules (EmS) : F-E, S-E

Air

UN number : UN1263
Proper shipping name : PAINT
Special provisions : Not available.
ICAO/IATA Classification : 3
Packing group : III

The "viscosity exemption" provisions do not apply to air transport.

ICAO/IATA label :



14. TRANSPORT INFORMATION

Inland waterways

UN number : UN1263
Proper shipping name : PAINT
ADNR Classification : 3
Packing group : III
ADNR Label :



15. REGULATORY INFORMATION

EU regulations : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

Risk phrases : R10- Flammable.
R66- Repeated exposure may cause skin dryness or cracking.

Safety phrases : S2- Keep out of the reach of children.
S24- Avoid contact with skin.
S46- If swallowed, seek medical advice immediately and show this container or label.

Additional warning phrases : Contains 2-butanone oxime, fatty acids, c6-19-branched, cobalt(2+) salts, tolylfluanid. May produce an allergic reaction.

16. OTHER INFORMATION

CEPE Classification : 1

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R10- Flammable.
R40- Limited evidence of a carcinogenic effect.
R21- Harmful in contact with skin.
R22- Harmful if swallowed.
R65- Harmful: may cause lung damage if swallowed.
R41- Risk of serious damage to eyes.
R38- Irritating to skin.
R36/37/38- Irritating to eyes, respiratory system and skin.
R43- May cause sensitisation by skin contact.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R50- Very toxic to aquatic organisms.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments. The information contained in this safety data sheet is provided in accordance with the requirements of the CHIP Regulations.

Further information and relevant advice can be found in:

- The Control of Substances Hazardous to Health Regulations (As amended).
- The Manual Handling Operations Regulations (As amended).
- The Environmental Protection (Duty of Care) Regulations (As amended).
- 'EH40 : Workplace exposure limits.

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Notice to reader

Date of issue/Date of revision : 18-2-2009.

16. OTHER INFORMATION

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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