



SAFETY DATA SHEET

RUBBOL WP 170

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

Product name and/or code : RUBBOL WP 170

Manufacturer/Distributor : Akzo Nobel Industrial Coatings Ltd
Unit 4a
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Blackburn
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United Kingdom, BB1 2QZ
Tel. Number: +44 (0) 1254 687950
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e-mail address of person responsible for this SDS : industrial.msds@akzonobel.com

Product use : Waterborne coating for interior and exterior use.

Emergency telephone number (with hours of operation) : International Sikkens emergency number :
Tel.: +31 71 3086944
available 24 hours/day, every day of the week

2. HAZARDS IDENTIFICATION

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

Classification : R52/53

Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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
Zinc salt of a styrene/acrylic copolymer		2.5 - 10		Xn; R22 [1] C; R34 R52/53
zinc oxide	1314-13-2	1 - 2.5	215-222-5	N; R50/53 [1]
2-(2-butoxyethoxy)ethanol	112-34-5	1 - 2.5	203-961-6	Xi; R36 [1] [2]
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	0 - 1	265-185-4	R10 [1] [2] Xn; R65 R66, R67 N; R51/53
Ammonia	1336-21-6	0 - 1		C; R34 [1] [2]

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3. COMPOSITION/INFORMATION ON INGREDIENTS

See section 16 for the full text of the R-phrases declared above				N; R50
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[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** : 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** : Keep container tightly closed.
- Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist.
- 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.

7. HANDLING AND STORAGE

Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Storage

- : Store in accordance with local regulations. Must be stored in a dry location. Keep container in a well-ventilated place. 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.

<u>Ingredient name</u>	<u>Workplace exposure limits</u>
2-(2-butoxyethoxy)ethanol	EU OEL (Europe, 5/2006). Notes: Indicative short term: 101,2 mg/m ³ 15 minute(s). 8 hours: 67,5 mg/m ³ 8 hour(s).
Naphtha (petroleum), hydrodesulfurized heavy	EU OEL (Europe). STEL: 600 mg/m ³ 15 minute(s). TWA: 300 mg/m ³ 8 hour(s).
Ammonia	EH40-WEL (United Kingdom (UK), 1/2005). STEL: 25 mg/m ³ 15 minute(s). Form: All forms TWA: 18 mg/m ³ 8 hour(s). Form: All forms

Personal protective equipment

Hands

Gloves

- : For prolonged or repeated handling, use the following type of gloves:

Recommended: butyl rubber

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

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Eyes

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

Environmental exposure controls

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Do not allow to enter drains or watercourses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid.
Flash point	: Not applicable.
Viscosity	: Kinematic: 11,82 cm ² /s (1182 cSt)
Relative density	: 1,354
Solubility	: Easily soluble in the following materials: cold water.

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 is not classified as dangerous according to Directive 1999/45/EC and its amendments.

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.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
zinc oxide	LD Intratracheal	Rat	>4979 ug/kg	-
	LD Oral	Rat	>8437 mg/kg	-
	LD50 Intraperitoneal	Rat	240 mg/kg	-
2-(2-butoxyethoxy)ethanol	LD50 Dermal	Rabbit	2700 mg/kg	-
	LD50 Oral	Rat	5660 mg/kg	-
	LD50 Oral	Rat	4500 mg/kg	-
	LD50 Oral	Rat	6050 mg/kg	-
	LD50 Unreported	Rat	4500 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 classified for eco-toxicological properties accordingly. See Sections 3 and 15 for details.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
zinc oxide	-	Acute EC50 0,14 mg/l	Daphnia - Daphnia pulex	48 hours
	-	Acute EC50 0,11 mg/l	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute IC50 0,17 mg/l	Algae - Selenastrum capricornutum	72 hours
	-	Acute LC50 0,41 mg/l	Fish - Pimephales promelas	96 hours
	-	Acute LC50 0,17 mg/l	Fish - Oncorhynchus Mykiss	96 hours
	-	Acute LC50 0,17 mg/l	Fish - Thymallus articus	96 hours
	-	Acute LC50 9,71 mg/l	Fish - Cyprinus carpio	96 hours
	-	Acute LC50 1,02 mg/l	Fish - Oncorhynchus kisutch	96 hours
	2-(2-butoxyethoxy)ethanol	Mortality	Acute LC50 2000000 ug/L Marine water	Fish - Inland silverside - Menidia beryllina
Mortality		Acute LC50 1300000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
ammonia, anhydrous	-	Acute LC50 8,2 mg/l	Fish - Pimephales promelas	96 hours
	-	Acute LC50 0,097 mg/l	Fish - Onchorhynchus mykiss	24 hours

Conclusion/Summary : Not available.

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.

Sea

Special provisions : Not available.

Marine pollutant : No.

Air

Special provisions : Not available.

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

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

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 : R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

16. OTHER INFORMATION

CEPE Classification : 7

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R10- Flammable.
R22- Harmful if swallowed.
R65- Harmful: may cause lung damage if swallowed.
R34- Causes burns.
R36- Irritating to eyes.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R50- Very toxic to aquatic organisms.
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.
R52/53- Harmful 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

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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