



SAFETY DATA SHEET

KODRIN WV 456

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

Product name and/or code : KODRIN WV 456

Manufacturer/Distributor : Akzo Nobel Industrial Coatings Ltd
Unit 4a
Mercer Way
Shadsworth Business Park
Blackburn
Lancashire
United Kingdom, BB1 2QZ
Tel. Number: +44 (0) 1254 687950
Fax Number: +44 (0) 1254 687960

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

Classification : Not classified.

Additional warning phrases : Safety data sheet available for professional user on request.

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
propylene glycol	57-55-6	2.5 - 10	200-338-0	Not classified. [2]
ethanol, 2-(2-ethoxyethoxy)- See section 16 for the full text of the R-phrases declared above	111-90-0	1 - 2.5	203-919-7	Xi; R36 [1]

[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.
- 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.

7. HANDLING AND STORAGE

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.

Ingredient name

propylene glycol

Workplace exposure limits

EH40-WEL (United Kingdom (UK), 9/2006).

WEL 8 hrs limit: 10 mg/m³ 8 hour(s). Form: Particulate

Personal protective equipment

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 : Not applicable.
Viscosity : Kinematic: 2,43 cm²/s (243 cSt)
Relative density : 1,027
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
ethanol, 2-(2-ethoxyethoxy)-	LD50 Dermal	Rat	6 mL/kg	-
	LD50 Dermal	Rabbit	4200 uL/kg	-
	LD50	Rat	360 ug/kg	-
	Intraperitoneal			
	LD50	Rat	4 g/kg	-
	Intravenous			
	LD50 Oral	Rat	7500 mg/kg	-
	LD50 Oral	Rat	5500 uL/kg	-
	LD50	Rat	6 g/kg	-
	Subcutaneous			
LD50 Unreported	Rat	7500 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.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
ethanol, 2-(2-ethoxyethoxy)-	Mortality	Acute LC50 21400000 to 23900000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
	Mortality	Acute LC50 20800000 to 27500000 ug/L Fresh water	Fish - Goldfish - Carassius auratus	96 hours
	Mortality	Acute LC50 15200000 to 18700000 ug/L Fresh water	Fish - Western mosquitofish - Gambusia affinis	96 hours
	Mortality	Acute LC50	Fish - Fathead	96 hours

12. ECOLOGICAL INFORMATION

	13900000 to 16700000 ug/L Fresh water	minnow - Pimephales promelas	
Mortality	Acute LC50 13400000 to 15700000 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	96 hours
Mortality	Acute LC50 12900000 to 15000000 ug/L Fresh water	Fish - Western mosquitofish - Gambusia affinis	96 hours
Mortality	Acute LC50 >10000000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
Mortality	Acute LC50 9650000 to 11800000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
Mortality	Acute LC50 6010000 to 8080000 ug/L Fresh water	Fish - Channel catfish - Ictalurus punctatus	96 hours
Mortality	Acute LC50 4670000 to 6010000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
Mortality	Acute LC50 3340000 to 5280000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 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 : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

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 determined as not being dangerous according to the requirements of the DPD.
Risk phrases	: This product is not classified according to EU legislation.
Safety phrases	: S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label.
Additional warning phrases	: Safety data sheet available for professional user on request.

16. OTHER INFORMATION

CEPE Classification	: 7
Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK)	: R36- Irritating to eyes.

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](#)

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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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