

SAFETY DATA SHEET

RUBBOL WF 310 BASE N00



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : RUBBOL WF 310 BASE N00
Product code : 5188-039301

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial surface coating for wood.
 Product is not intended for consumer use.

1.3 Details of the supplier of the safety data sheet

Manufacturer : Akzo Nobel Wood Coatings GmbH
 Sikkens Wood Coatings
 Düsseldorfstraße 96-100
 D-40721 Hilden
 Germany
 Tel: +49 (0) 2103 77253
 Fax: +49 (0) 2103 77242
 Internet: www.sikkens-wood-coatings.com

Email : andrea.krause@akzonobel.com

1.4 Emergency telephone number

Emergency telephone number of official advisory body : Giftnotrufzentrale Berlin
 Tel. +49 (0)30 30686790, (24 Stunden/Tag, jeder Tag, Jede Woche)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Classification according to Regulation (EC) 1907/2006 (REACH)

Classification : Not classified.

2.2 Label elements

Risk phrases : This product is not classified according to EU legislation.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
3-butoxypropan-2-ol	EC: 225-878-4 CAS: 5131-66-8 Index: 603-052-00-8	5-10	Xi; R36/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
propane-1,2-diol	EC: 200-338-0 CAS: 57-55-6 Index: selfclassified	1-5	Not classified.	Not classified.	[2]
propan-1-ol	EC: 200-746-9 CAS: 71-23-8 Index: 603-003-00-0	1-5	F; R11 Xi; R41 R67	Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336	[1] [2]

Date of printing : 2013-09-06.

Page: 1/8

SECTION 3: Composition/information on ingredients

			See Section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H statements declared above.	
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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures**4.1 Description of 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. If unconscious, place in recovery position and seek medical advice.
- 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.
- 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. Seek immediate medical attention.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed**Potential acute health effects**

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO₂, powders.
- Unsuitable extinguishing media** : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

SECTION 5: Firefighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3 Advice for firefighters

Special protective actions for fire-fighters : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

Due to the organic solvents content of the preparation:

6.1 Personal precautions, protective equipment and emergency procedures : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up : 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). Preferably clean with a detergent. Avoid using solvents.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling : Due to the organic solvents content of the preparation:

Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational 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.

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.

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.

Information on fire and explosion protection

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

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.

7.2 Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.

Due to the organic solvents content of the preparation:

SECTION 7: Handling and storage

Keep container tightly closed.
 Keep away from sources of ignition. No smoking. Prevent unauthorised access.
 Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s) : No additional information.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Ingredient name	Occupational exposure limits
propane-1,2-diol	EH40/2005 WELs (United Kingdom (UK), 8/2007). TWA: 10 mg/m ³ 8 hour(s). Form: Particulate TWA: 150 ppm 8 hour(s). Form: Sum of vapour and particulates TWA: 474 mg/m ³ 8 hour(s). Form: Sum of vapour and particulates
propan-1-ol	EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin. STEL: 625 mg/m ³ 15 minute(s). STEL: 250 ppm 15 minute(s). TWA: 500 mg/m ³ 8 hour(s). TWA: 200 ppm 8 hour(s).

Exposure controls : 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 OEL, suitable respiratory protection must be worn.

8.2 Exposure controls**Respiratory system**

: Wear a respirator conforming to EN140 with Type A/P2 filter or better.
 Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flattening 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**Gloves**

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

Recommended (> 8 hours (breakthrough time)): butyl rubber, nitrile rubber
 Not recommended (< 1 hour (breakthrough time)): polyvinyl chloride (PVC), natural rubber (latex)

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

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

: Do not allow to enter drains or watercourses.

DNELs

Ingredient name	Exposure	DNELs	Population	Effects
propan-1-ol	Long term Dermal	136 mg/kg bw/day	Workers	Systemic
	Long term Inhalation	268 mg/m ³	Workers	Systemic
	Short term Inhalation	1723 mg/m ³	Workers	Systemic

PNECs

SECTION 8: Exposure controls/personal protection

Ingredient name	Compartment Detail	PNECs	Method Detail
propan-1-ol	Fresh water	10 mg/l	-
	Sewage Treatment Plant	96 mg/l	-
	Soil	2,2 mg/kg	-
	Marine water sediment	2,28 mg/kg	-
	Marine water sediment	22,8 mg/kg	-
	Marine	1 mg/l	-

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state	: Liquid.
Flash point	: Not applicable. Not considered to be flammable .
Boiling point/boiling range	: 100 °C (Lowest known value: water)
Melting point/freezing point	: Not tested
Auto-ignition temperature	: 260 °C (Lowest known value: 3-butoxypropan-2-ol)
Decomposition temperature	: Not tested
pH	: 8.5 - 8.9
Viscosity	: 1,8 - 2,2 dPas (CONE/PLATE)
Density	: 1.02 g/cm ³
Evaporation rate	: Not tested
Vapour density	: < 1 (Air = 1) (Calculated value for the mixture)
Vapour pressure	: 0.85 mmHg (Highest known value: 3-butoxypropan-2-ol)
Explosion limits	: Lower: 1.1% Upper: 14%
Partition coefficient: n-octanol/water	: Not tested

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Stable under recommended storage and handling conditions (see section 7).
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

There are 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 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational 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. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption

SECTION 11: Toxicological information

through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
3-butoxypropan-2-ol	LD50 Dermal	Rabbit	3100 mg/kg	-
	LD50 Oral	Rat	2700 mg/kg	-
propan-1-ol	LD50 Dermal	Rabbit	5040 mg/kg	-
	LD50 Oral	Rat	1870 mg/kg	-

SECTION 12: Ecological information

12.1 Toxicity

There are 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.

12.2 Persistence and degradability

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
3-butoxypropan-2-ol	1,15	-	low
propan-1-ol	0,25	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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 2008/98/EC.

SECTION 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.

IMDG

UN number : Not regulated.

Proper shipping name : Not applicable.

Class : Not applicable.

Subsidiary class : -

Marine pollutant : No.

ADR

UN number : Not regulated.

Proper shipping name : Not applicable.

Date of printing : 2013-09-06.

Page: 6/8

SECTION 14: Transport information

Class : Not applicable.

Subsidiary class : -

Marine pollutant : No.

ADN/ADNR

UN number : Not regulated.

Proper shipping name : Not applicable.

Class : Not applicable.

Subsidiary class : -

Marine pollutant : No.

IATA

UN number : Not regulated.

Proper shipping name : Not applicable.

Class : Not applicable.

Subsidiary class : -

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

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Other EU regulations**

VOC for Ready-for-Use Mixture : IIA/d. Interior/exterior trim and cladding paints for wood and metal. EU limit values: 150g/l (2007) 130g/l (2010.)
This product contains a maximum of 114 g/l VOC.

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

The information in this Safety Data Sheet is required pursuant to Annex II to Regulation (EC) No 1907/2006.

Industrial use : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R11- Highly flammable.
R41- Risk of serious damage to eyes.
R36/38- Irritating to eyes and skin.
R67- Vapours may cause drowsiness and dizziness.

Full text of abbreviated H statements : H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Full text of classifications [CLP/GHS] : Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Flam. Liq. 2, H225 FLAMMABLE LIQUIDS - Category 2
Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] - Category 3

Date of printing : 2013-09-06.

Page: 7/8

SECTION 16: Other information

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Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.