

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

SAFETY DATA SHEET

Autowave MM 952 Orange (Red) Transparent

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

1.1 Product identifier

Product name SDS code : Autowave MM 952 Orange (Red) Transparent : S10328

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

	Identified uses			
Industrial use	Industrial use			
	Uses advised against			
Consumer use				
Product use	: FOR INDUSTRIAL USE ONLY			
1.3 Details of the supplier o	f the safety data sheet			
Manufacturer	: Akzo Nobel Car Refinishes bv Rijksstraatweg 31 2171 AJ Sassenheim The Netherlands + 31 (0)71 308 6944 www.sikkensvr.com			
e-mail address of person responsible for this SDS	: PSRA_SSH@akzonobel.com			
1.4 Emergency telephone n	umber			
National advisory body/Po	<u>sison Centre</u>			
Telephone number	: +44 (0)344 892 0111			
<u>Supplier</u>				
Telephone number	: + 31 (0)71 308 6944			
Hours of operation	: 24 hours			



SECTION 2: Hazards	ic	lentification
2.1 Classification of the subs	tar	nce or mixture
Product definition	:	Mixture
Classification according to	Re	gulation (EC) No. 1272/2008 [CLP/GHS]
Not classified.		
The product is not classified a	is h	azardous according to Regulation (EC) 1272/2008 as amended.
See Section 11 for more detail	iled	l information on health effects and symptoms.
2.2 Label elements		
Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	Contains triisobutyl phosphate and reaction mass of: 5-chloro-2-methyl- 4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. Safety data sheet available on request.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
Special packaging requirem	ien	<u>ts</u>
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	:	Not applicable.
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do	:	None known.

SECTION 3: Composition/information on ingredients

not result in classification

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Specific Conc. Limits, M-factors and ATEs	Туре
2-butoxyethanol	REACH #: 01-2119475108-36 EC: 203-905-0 CAS: 111-76-2 Index: 603-014-00-0	<10	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1] [2]
Date of issue/Date of revision	: 18-12-2023		Version :1	_	
Date of previous issue	: No previous valida	tion	2/13	Akzo	Nobel

SECTION 3: Composition/information on ingredients			
		See Section 16 for the full text of the H statements declared above.	

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

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.
Eye contact	 Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate 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.
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

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 mixture 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.

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.

Contains triisobutyl phosphate, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

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.

See toxicological information (Section 11)

Date of issue/Date of revision	: 18-12-2023	Version : 1	
Date of previous issue	: No previous validation	3/13	AkzoNobel

SECTION 5: Firefighting measures

•		
5.1 Extinguishing media		
Suitable extinguishing media	commended: alcohol-resistant foam, CO ₂ , powders, water spray.	
Unsuitable extinguishing media	not use water jet.	
5.2 Special hazards arising f	e substance or mixture	
Hazards from the substance or mixture	e will produce dense black smoke. Exposure to decomposition pro use a health hazard.	oducts may
Hazardous combustion products	composition products may include the following materials: carbon bon dioxide, smoke, oxides of nitrogen.	monoxide,
5.3 Advice for firefighters		
Special protective actions for fire-fighters	ol closed containers exposed to fire with water. Do not release rur iins or watercourses.	off from fire to
Special protective equipment for fire-fighters	propriate breathing apparatus may be required.	

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	6.1 Personal precautions, protective equipment and emergency procedures		
For non-emergency personnel	clude sources of ignition and ventilate the area. Avoid breathin fer to protective measures listed in sections 7 and 8.	g vapour or mist.	
For emergency responders	pecialised clothing is required to deal with the spillage, take no rmation in Section 8 on suitable and unsuitable materials. Se rmation in "For non-emergency personnel".		
6.2 Environmental precautions	not allow to enter drains or watercourses. If the product conta ers, or sewers, inform the appropriate authorities in accordanc ulations.		
6.3 Methods and material for containment and cleaning up	ntain and collect spillage with non-combustible, absorbent ma th, vermiculite or diatomaceous earth and place in container fo ording to local regulations (see Section 13). Preferably clean oid using solvents.	or disposal	
6.4 Reference to other sections	e Section 1 for emergency contact information. e Section 8 for information on appropriate personal protective e Section 13 for additional waste treatment information.	equipment.	

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Date of issue/Date of revision	: 18-12-2023	Version : 1	
Date of previous issue	: No previous validation	4/13	AkzoNobel

SECTION 7: Handling and storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

: Not available.

Recommendations Industrial sector specific : Not available. solutions

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name		Exposure limit values	
2-butoxyethanol		EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed through skin. STEL: 50 ppm 15 minutes. TWA: 25 ppm 8 hours.	
procedures	atmosphere or l of the ventilation protective equip the following: E the assessment limit values and atmospheres - (of exposure to o (Workplace atm for the measure	ontains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectiveness in or other control measures and/or the necessity to use respiratory oment. Reference should be made to monitoring standards, such as European Standard EN 689 (Workplace atmospheres - Guidance for t of exposure by inhalation to chemical agents for comparison with measurement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment chemical and biological agents) European Standard EN 482 nospheres - General requirements for the performance of procedures ement of chemical agents) Reference to national guidance methods for the determination of hazardous substances will also be	

DNELs/DMELs

ĺ	Product/ingredient name	Туре	Exposure	Value	Population	Effects
	No DNELs/DMELs available.					

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
No PNECs available			

8.2 Exposure controls

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

Individual protection measures



SECTION 8: Exposure controls/personal protection

Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Use safety eyewear designed to protect against splash of liquids.
Skin protection	
Gloves	: 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.
Body protection	 Personnel should wear antistatic clothing made of natural fibres or of high- temperature-resistant synthetic fibres.
Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: 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.
Environmental exposure controls	: Do not allow to enter drains or watercourses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : Liquid. Colour : Not available. Odour : Not available. Odour threshold : Not available. pH : Not available. pH : Not available. Initial boiling point : Not available. Initial boiling point : Not available. Initial boiling point and : 100°C (212°F) boiling range : Closed cup: 999°C [Product does not sustain combustion. Flash point : Closed cup: 999°C [Product does not sustain combustion. [Pensky-Martens]] Evaporation rate : Not available. Flammability (solid, gas) : Not available. Upper/lower flammability or : Not available. Vapour pressure : Highest known value: 0.1 kPa (0.8 mm Hg) (at 20°C) (2-butoxyethanol). Vapour density : Highest known value: 4.1 (Air = 1) (2-butoxyethanol). Relative density : 1.01 [DIN EN ISO 2811-1] Solubilifty(ies) : Not available. Partition coefficient: n-octanol/ : Not available. Vato-ignition temperature : Not available. Decomposition temperature : Not available.	Appearance	T T T		
Odour : Not available. Odour threshold : Not available. pH : Not available. Initial point/freezing point : Not available. Initial boiling point and boiling range : 100°C (212°F) Flash point : Closed cup: 999°C [Product does not sustain combustion. [Pensky-Martens] Evaporation rate : Not available. Flammability (solid, gas) : Not available. Upper/lower flammability or explosive limits : Not available. Vapour pressure : Highest known value: 0.1 kPa (0.8 mm Hg) (at 20°C) (2-butoxyethanol). Vapour density : Highest known value: 4.1 (Air = 1) (2-butoxyethanol). Vapour density : Not available. Partition coefficient: n-octanol/ water : Not available. Auto-ignition temperature viscosity : Not available. Viscosity : Not available. Viscosity : Kinematic (room temperature): 5.94 cm²/s [DIN EN ISO 3219] Particle characteristics : Date of issue/Date of revision : 18-12-2023 Version ::1		: Liquid.		
Odour threshold : Not available. pH : Not available. Initial point/freezing point : Not available. Initial boiling point and boiling range : 100°C (212°F) Flash point : Closed cup: 999°C [Product does not sustain combustion. [Pensky-Martens] I : Stored cup: 999°C [Product does not sustain combustion. [Pensky-Martens] I : Stored cup: 999°C [Product does not sustain combustion. [Pensky-Martens] I : Not available. : Not available. Flammability (solid, gas) : Not available. : Not available. Upper/lower flammability or explosive limits : Not applicable. : Not applicable. Vapour pressure : Highest known value: 0.1 kPa (0.8 mm Hg) (at 20°C) (2-butoxyethanol). : Not applicable. Vapour density : 1.01 [DIN EN ISO 2811-1] Solubility(ies) : Not available. : Not available. Partition coefficient: n-octanol/ water : Not available. : Not available. Viscosity : Not applicable. : Din EN ISO 3219] Particle characteristics : Wersion :1 : DIN EN ISO 3219] Particle characteristics : Bart2-2023 Version :1 <th>Colour</th> <th>: Not available.</th> <th></th> <th></th>	Colour	: Not available.		
pH : Not available. [DIN EN 1262] Melting point/freezing point : Not available. [DIN EN 1262] Initial boiling point and : 100°C (212°F) [Pensky-Martens] boiling range : Closed cup: 999°C [Product does not sustain combustion. [Pensky-Martens] Flash point : Closed cup: 999°C [Product does not sustain combustion. [Pensky-Martens] i : Not available. : : Flammability (solid, gas) : Not available. : : Upper/lower flammability or explosive limits : Not applicable. : : Vapour pressure : Highest known value: 0.1 kPa (0.8 mm Hg) (at 20°C) (2-butoxyethanol). : Vapour density : 1.01 [DIN EN ISO 2811-1] : Solubility(ies) : Not available. : : Partition coefficient: n-octanol/ water : Not available. : : Auto-ignition temperature : Not available. : : : Viscosity : Kinematic (room temperature): 5.94 cm²/s [DIN EN ISO 3219] : Particle characteristics : : : : : Date of issue/Date o	Odour	: Not available.		
Melting point/freezing point : Not available. Initial boiling point and boiling range : 100°C (212°F) Flash point : Closed cup: 999°C [Product does not sustain combustion. [Pensky-Martens]] Evaporation rate : Not available. Flammability (solid, gas) : Not available. Upper/lower flammability or explosive limits : Not available. Vapour pressure : Highest known value: 0.1 kPa (0.8 mm Hg) (at 20°C) (2-butoxyethanol). Vapour density : Highest known value: 4.1 (Air = 1) (2-butoxyethanol). Relative density : 1.01 Solubility(ies) : Not available. Partition coefficient: n-octanol/ water : Not available. Auto-ignition temperature : Not available. Viscosity : Kinematic (room temperature): 5.94 cm²/s [DIN EN ISO 3219] Particle characteristics : Version : 1	Odour threshold	: Not available.		
Initial boiling point and boiling range : 100°C (212°F) Flash point : Closed cup: 999°C [Product does not sustain combustion. [Pensky-Martens]] Evaporation rate : Not available. Flammability (solid, gas) : Not available. Upper/lower flammability or explosive limits : Not applicable. Vapour pressure : Highest known value: 0.1 kPa (0.8 mm Hg) (at 20°C) (2-butoxyethanol). Vapour density : Highest known value: 4.1 (Air = 1) (2-butoxyethanol). Relative density : 1.01 Solubility(ies) : Not available. Partition coefficient: n-octanol/ water : Not applicable. Auto-ignition temperature : Not applicable. Decomposition temperature : Not available. Viscosity : Kinematic (room temperature): 5.94 cm²/s [DIN EN ISO 3219] Particle characteristics : Date of issue/Date of revision : 18-12-2023 Version :1	рН	: Not available.		[DIN EN 1262]
boiling range Flash point : Closed cup: 999°C [Product does not sustain combustion. [Pensky-Martens]] Evaporation rate : Not available. Flammability (solid, gas) : Not available. Upper/lower flammability or explosive limits : Not available. Vapour pressure : Highest known value: 0.1 kPa (0.8 mm Hg) (at 20°C) (2-butoxyethanol). Vapour density : Highest known value: 4.1 (Air = 1) (2-butoxyethanol). Vapour density : 1.01 Solubility(ies) : Not available. Partition coefficient: n-octanol/ : Not available. Vater : Not available. Auto-ignition temperature : Not available. Viscosity : Kinematic (room temperature): 5.94 cm²/s Particle characteristics : 18-12-2023	Melting point/freezing point	: Not available.		
Image: Provide the system of the system o	• •	: 100°C (212°F)		
Flammability (solid, gas) : Not available. Upper/lower flammability or explosive limits : Not applicable. Vapour pressure : Highest known value: 0.1 kPa (0.8 mm Hg) (at 20°C) (2-butoxyethanol). Vapour density : Highest known value: 4.1 (Air = 1) (2-butoxyethanol). Relative density : 1.01 Solubility(ies) : Not available. Partition coefficient: n-octanol/ : Not available. Vator-ignition temperature : Not applicable. Decomposition temperature : Not available. Viscosity : Kinematic (room temperature): 5.94 cm²/s [DIN EN ISO 3219] Particle characteristics : 18-12-2023 Version :1	Flash point	: Closed cup: 999°C [Product o]	does not sustain combustion.	[Pensky-Martens]
Upper/lower flammability or explosive limits : Not applicable. Vapour pressure : Highest known value: 0.1 kPa (0.8 mm Hg) (at 20°C) (2-butoxyethanol). Vapour density : Highest known value: 4.1 (Air = 1) (2-butoxyethanol). Relative density : 1.01 Solubility(ies) : Not available. Partition coefficient: n-octanol/ water : Not available. Auto-ignition temperature : Not available. Decomposition temperature : Not available. Viscosity : Kinematic (room temperature): 5.94 cm²/s [DIN EN ISO 3219] Particle characteristics : 18-12-2023 Version : 1	Evaporation rate	: Not available.		
explosive limits Image: Strain of Strain	Flammability (solid, gas)	: Not available.		
Vapour density : Highest known value: 4.1 (Air = 1) (2-butoxyethanol). Relative density : 1.01 Solubility(ies) : Not available. Partition coefficient: n-octanol/ water : Not available. Auto-ignition temperature becomposition temperature Viscosity : Not applicable. Viscosity : Kinematic (room temperature): 5.94 cm²/s Particle characteristics : 18-12-2023 Version : 1	•••	: Not applicable.		
Relative density : 1.01 [DIN EN ISO 2811-1] Solubility(ies) : Not available. Partition coefficient: n-octanol/ water : Not available. Auto-ignition temperature Decomposition temperature Viscosity : Not applicable. Viscosity : Kinematic (room temperature): 5.94 cm²/s Particle characteristics [DIN EN ISO 3219] Date of issue/Date of revision : 18-12-2023	Vapour pressure	: Highest known value: 0.1 kPa	a (0.8 mm Hg) (at 20°C) (2-bu	toxyethanol).
Solubility(ies) : Not available. Partition coefficient: n-octanol/ : Not available. water : Not available. Auto-ignition temperature : Not applicable. Decomposition temperature : Not available. Viscosity : Not available. Particle characteristics : Kinematic (room temperature): 5.94 cm²/s Date of issue/Date of revision : 18-12-2023	Vapour density	: Highest known value: 4.1 (A	ir = 1) (2-butoxyethanol).	
Partition coefficient: n-octanol/ : Not available. water Auto-ignition temperature : Not applicable. Decomposition temperature : Not available. Viscosity : Not available. Particle characteristics : Kinematic (room temperature): 5.94 cm²/s Date of issue/Date of revision : 18-12-2023	Relative density	: 1.01		[DIN EN ISO 2811-1]
water Auto-ignition temperature : Not applicable. Decomposition temperature : Not available. Viscosity : Kinematic (room temperature): 5.94 cm²/s Particle characteristics [DIN EN ISO 3219] Date of issue/Date of revision : 18-12-2023	Solubility(ies)	: Not available.		
Decomposition temperature : Not available. Viscosity : Kinematic (room temperature): 5.94 cm²/s Particle characteristics [DIN EN ISO 3219] Date of issue/Date of revision : 18-12-2023		: Not available.		
Viscosity : Kinematic (room temperature): 5.94 cm²/s [DIN EN ISO 3219] Particle characteristics Pate of issue/Date of revision : 18-12-2023 Version : 1	Auto-ignition temperature	: Not applicable.		
Particle characteristics Date of issue/Date of revision : 18-12-2023 Version : 1	Decomposition temperature	: Not available.		
Date of issue/Date of revision : 18-12-2023 Version : 1	Viscosity	: Kinematic (room temperature	e): 5.94 cm²/s	[DIN EN ISO 3219]
AlmoNobol	Particle characteristics			
Date of previous issue : No previous validation 6/13 AkzoNobel	Date of issue/Date of revision	: 18-12-2023	Version : 1	
	Date of previous issue	: No previous validation	6/13	AkzoNobel

SECTION 9: Physical and chemical properties				
Median particle size	: Not applicable.			

9.2 Other information

No specific data.

SECTION 10: Stabilit	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	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.					

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

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 mixture 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.

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.

Contains triisobutyl phosphate, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-butoxyethanol	LC50 Inhalation Gas.	Mouse	700 ppm	7 hours
-	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LC50 Inhalation Vapour	Mouse	3380 mg/m ³	7 hours
	LC50 Inhalation Vapour	Rat	2900 mg/m ³	7 hours
	LD50 Dermal	Guinea pig	230 uL/kg	-
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Intraperitoneal	Mouse	536 mg/kg	-
	LD50 Intraperitoneal	Rabbit	220 mg/kg	-
	LD50 Intraperitoneal	Rat	220 mg/kg	-
	LD50 Intravenous	Mouse	1130 mg/kg	-
	LD50 Intravenous	Rabbit	252 mg/kg	-
	LD50 Intravenous	Rat	307 mg/kg	-
	LD50 Oral	Guinea pig	1200 mg/kg	-
	LD50 Oral	Mouse	1230 mg/kg	-
e of issue/Date of revision	: 18-12-2023	Versio	n :1	
e of previous issue	: No previous validation	7/13		AkzoNob

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 Autowave MM 952 Orange (Red) Transparent

SECTION 11: Toxicological informa	tion		
LD50 Oral	Mouse	1167 mg/kg	-
LD50 Oral	Rabbit	300 mg/kg	-
LD50 Oral	Rabbit	320 mg/kg	-
LD50 Oral	Rat	917 mg/kg	-
LD50 Oral	Rat	250 mg/kg	-
LD50 Route of expo unreported	osure Mouse	1050 mg/kg	-
LD50 Route of expo unreported	osure Rat	917 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

N/A

Irritation/Corrosion

2-butoxyethanol Conclusion/Summary <u>Sensitisation</u> Conclusion/Summary <u>Mutagenicity</u> Conclusion/Summary <u>Carcinogenicity</u> Conclusion/Summary <u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary	Eyes - Moderate irritant Eyes - Severe irritant Skin - Mild irritant : Not available. : Not available. : Not available. : Not available. : Not available. : Not available.	Rabbit Rabbit Rabbit	-	24 hours 100 mg 100 mg 500 mg	-
Sensitisation Conclusion/Summary <u>Mutagenicity</u> Conclusion/Summary <u>Carcinogenicity</u> Conclusion/Summary <u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary	 Skin - Mild irritant Not available. Not available. Not available. Not available. Not available. Not available. 		-	100 mg	-
Sensitisation Conclusion/Summary <u>Mutagenicity</u> Conclusion/Summary <u>Carcinogenicity</u> Conclusion/Summary <u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary	 Skin - Mild irritant Not available. Not available. Not available. Not available. Not available. Not available. 		-		-
Sensitisation Conclusion/Summary <u>Mutagenicity</u> Conclusion/Summary <u>Carcinogenicity</u> Conclusion/Summary <u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary	 Not available. Not available. Not available. Not available. 				
Conclusion/Summary <u>Mutagenicity</u> Conclusion/Summary <u>Carcinogenicity</u> Conclusion/Summary <u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary	Not available.Not available.Not available.				
Mutagenicity Conclusion/Summary <u>Carcinogenicity</u> Conclusion/Summary <u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary	Not available.Not available.Not available.				
Conclusion/Summary Carcinogenicity Conclusion/Summary <u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary	: Not available. : Not available.				
Carcinogenicity Conclusion/Summary <u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary	: Not available. : Not available.				
Conclusion/Summary <u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary	: Not available.				
Reproductive toxicity Conclusion/Summary Teratogenicity Conclusion/Summary	: Not available.				
Conclusion/Summary <u>Teratogenicity</u> Conclusion/Summary					
<u>Teratogenicity</u> Conclusion/Summary					
Conclusion/Summary	: Not available.				
•	: Not available.				
Specific target organ toxicit					
opecific larger organ toxicit	<u>y (single exposure)</u>				
Not available.					
Specific target organ toxicit	<u>y (repeated exposure)</u>				
Not available.					
Aspiration hazard					
Not available.					
Information on likely routes of exposure	: Not available.				
Potential acute health effects	È				
Eye contact	: No known significant effects of	or critical hazar	ds.		
Inhalation	: No known significant effects of	or critical hazar	ds.		
Skin contact	: No known significant effects of	or critical hazar	ds.		
Ingestion	: No known significant effects of	or critical hazar	ds.		
Symptoms related to the phy	sical, chemical and toxicologic	al characterist	<u>tics</u>		
Eye contact	: No specific data.				
Inhalation	: No specific data.				
Skin contact	: No specific data.				
Date of issue/Date of revision	: 18-12-2023	Versi	i on :1		
Date of previous issue		8/13			AkzoNobel

SECTION 11: Toxicological information

Ingestion

: No specific data.

Delayed and immediate effec	Delayed and immediate effects as well as chronic effects from short and long-term exposure					
<u>Short term exposure</u>	Short term exposure					
Potential immediate effects	: Not available.					
Potential delayed effects	: Not available.					
<u>Long term exposure</u>						
Potential immediate effects	: Not available.					
Potential delayed effects	: Not available.					
Potential chronic health effects						
Not available.						
Conclusion/Summary	: Not available.					
General	: No known significant effects or critical hazards.					
Carcinogenicity	: No known significant effects or critical hazards.					
Mutagenicity	: No known significant effects or critical hazards.					
Reproductive toxicity	:					

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

No additional information.

SECTION 12: Ecological information

12.1 Toxicity

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

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment.

Product/ingredient name	Result	Species	Exposure
2-butoxyethanol	Acute LC50 800000 µg/l Marine water	Crustaceans - Crangon crangon Fish - Lepomis macrochirus	48 hours 48 hours 96 hours 96 hours

Conclusion/Summary

: Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-butoxyethanol	0.81	-	low

12.4 Mobility in soil

Date of issue/Date of revision	: 18-12-2023	Version : 1	
Date of previous issue	: No previous validation	9/13	AkzoNobel

SECTION 12: Ecological information

Soil/water partition: Not available.coefficient (Koc): Not available.Mobility: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

<u>Product</u>	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
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.
Disposal considerations	 Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

	Waste code	Waste designation
	EWC 08 01 12	waste paint and varnish other than those mentioned in 08 01 11
<u>P</u>	ackaging	
	Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
	Disposal considerations	 Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.
S	pecial precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 Autowave MM 952 Orange (Red) Transparent

SECTION 14: Transport information

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

14.6 Special precautions for user: **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.

14.7 Maritime transport in : Not applicable. **bulk according to IMO instruments**

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

UK (GB) /REACH

Annex XIV - List of substances subject to authorisation

<u>Annex XIV</u>

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
Other EU regulations		
VOC	:	
VOC for Ready-for-Use Mixture	:	
Industrial emissions (integrated pollution prevention and control) - Air	:	Not listed
Industrial emissions (integrated pollution prevention and control) - Water	:	Not listed



SECTION 15: Reg	ulatory information	
Ozone depleting subs	tances (1005/2009/EU)	
Not listed.		
Prior Informed Conser	nt (PIC) (649/2012/EU)	
Not listed.		
Persistent Organic Po	llutants	
Not listed.		
Seveso Directive		
National regulations		
International regulation	S	
	ention List Schedules I, II & III Chemicals	
Not listed.		
Montreal Protocol		
Not listed.		
Stockholm Convention	on Persistent Organic Pollutants	
Not listed.		
Rotterdam Convention	on Prior Informed Consent (PIC)	
Not listed.		
UNECE Aarhus Protoco	ol on POPs and Heavy Metals	
Not listed.		
15.2 Chemical safety	: No Chemical Safety Assessment has been carried out.	
assessment		
SECTION 16: Othe	er information	
CEPE code	: 9	

Indicates information	that has changed from previously issued version.
Abbreviations and acronyms	 ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	
Foll to start a for his words to start a start and the	

Full text of abbreviated H statements

H302 H315	Harmful if swallowed. Causes skin irritation.
	Causes serious eye irritation.
H332	Harmful if inhaled.

Full text of classifications [CLP/GHS]

Date of issue/Date of revision	: 18-12-2023	Version : 1	
Date of previous issue	: No previous validation	12/13	AkzoNobel

Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319 Skin Irrit. 2, H315	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2	
Date of printing	: 28 May 2024	
Date of issue/ Date of revision	: 18 December 2023	
Date of previous issue	: No previous validation	
Version	: 1	

Notice to reader

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.

Brand names mentioned in this data sheet are trademarks of or are licensed to Akzo Nobel.

IA_493

