

AkzoNobel

SAFETY DATA SHEET

RUBBOL SATURA

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

1.1. Product identifier

Product name : RUBBOL SATURA

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

Product use : Solvent borne coating for exterior use.

1.3. Details of the supplier of the safety data sheet

Akzo Nobel Decorative Coatings,

Wexham Road, Slough, Berkshire,

United Kingdom, SL2 5DS, Tel.: +44 (0) 333 222 70 70

www.sikkens.co.uk

e-mail address of person responsible for this SDS

: sikkens.advice@akzonobel.com

1.4 Emergency telephone number

Telephone number: Emergency number is - 01753 550000 (24 hours)

International Sikkens 24 hours emergency number :

Tel.: +31 71 3086944

Version : 2

Date of previous issue : 6-5-2021

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Mam. Liq. 3, H226

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown : 0%

toxicity

Ingredients of unknown : 0%

ecotoxicity

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

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SECTION 2: Hazards identification

Hazard pictograms

Signal word : Warning

Hazard statements : H226 - Flammable liquid and vapour.

Precautionary statements

General: P102 - Keep out of reach of children.

P101 - If medical advice is needed, have product container or label at hand.

Prevention: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

Response : Not applicable.

Storage : P403 + P235 - Store in a well-ventilated place. Keep cool.

Disposal : ₱501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

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 not result in classification

: None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
ydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119463258-33	≤9	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	[1]
Hydrocarbons,C11-C14,n-alkanes,isoalkanes,cyclics, <2%aromatics	REACH #: 01-2119456620-43 CAS: 64742-47-8	≤8	Asp. Tox. 1, H304 EUH066	[1]
Hydrocarbons,C10-C13,n-alkanes,isoalkanes,cyclics, <2%aromatics	REACH #: 01-2119457273-39 EC: 265-150-3 CAS: 64742-48-9	≤2.5	Asp. Tox. 1, H304 EUH066	[1]
Naphtha (petroleum), hydrotreated heavy	EC: 265-150-3 CAS: 64742-48-9	≤3	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304	[1]
2-ethylhexanoic acid,	REACH #:	<3	Repr. 2, H361	[1] [2]

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SECTION 3: Composition/information on ingredients

ziroonium oolt	01-2119979088-21	1	<u> </u>	
zirconium salt	EC: 245-018-1 CAS: 22464-99-9			
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	<1	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1] [2]
2-methoxy-1-methylethyl acetate	REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7	<1	Asp. Tox. 1, H304 Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]
(2-methoxymethylethoxy) propanol	REACH #: 01-2119450011-60 EC: 252-104-2 CAS: 34590-94-8	≤0.3	Not classified.	[2]
Methyl methacrylate	EC: 201-297-1 CAS: 80-62-6	≤0.1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	[1] [2]
2-ethylhexanoic acid, manganese salt	EC: 240-085-3 CAS: 15956-58-8	≤0.1	Eye Irrit. 2, H319 Repr. 2, H361 STOT RE 2, H373 Aquatic Chronic 2, H411	[1] [2]
2-butoxyethanol	EC: 203-905-0 CAS: 111-76-2 Index: 603-014-00-0	<0.1	Acute Tox. 4, H302 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1] [2]
1,2-dichlorobenzene	EC: 202-425-9 CAS: 95-50-1 Index: 602-034-00-7	<0.1	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) See Section 16 for the full text of the H statements declared above.	[1] [2]

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.

<u>Type</u>

- [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.

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SECTION 4: First aid measures

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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties 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 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.

Ingestion may cause nausea, diarrhea and vomiting.

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.

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.

: No specific treatment. **Specific treatments**

See toxicological information (Section 11)

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing

media

: Recommended: alcohol-resistant foam, CO₂, powders, water spray.

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.

Hazardous combustion

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.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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 material 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

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

: 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.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

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 mixture. 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. Do not allow to enter drains or watercourses.

Information on fire and explosion protection

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

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. 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.

Seveso Directive - Reporting thresholds

Danger criteria

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SECTION 7: Handling and storage

	Notification and MAPP threshold	Safety report threshold
P 5c	5000 tonne	50000 tonne

7.3 Specific end use(s)

Recommendations : Not available.

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

Exposure limit values
EH40/2005 WELs (United Kingdom (UK), 12/2011).
STEL: 10 mg/m³, (as Zr) 15 minutes.
TWA: 5 mg/m³, (as Zr) 8 hours.
EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
through skin.
STEL: 441 mg/m³ 15 minutes.
TWA: 50 ppm 8 hours.
TWA: 220 mg/m³ 8 hours.
STEL: 100 ppm 15 minutes.
EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
through skin.
STEL: 548 mg/m³ 15 minutes.
TWA: 50 ppm 8 hours.
TWA: 274 mg/m³ 8 hours.
STEL: 100 ppm 15 minutes.
EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
through skin.
TWA: 308 mg/m³ 8 hours.
TWA: 50 ppm 8 hours.
EH40/2005 WELs (United Kingdom (UK), 12/2011).
STEL: 416 mg/m³ 15 minutes.
STEL: 100 ppm 15 minutes.
TWA: 208 mg/m³ 8 hours. TWA: 50 ppm 8 hours.
• •
EH40/2005 WELs (United Kingdom (UK), 12/2011).
TWA: 0.5 mg/m³, (as Mn) 8 hours. EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
through skin.
STEL: 50 ppm 15 minutes.
TWA: 25 ppm 8 hours.
STEL: 246 mg/m³ 15 minutes.
TWA: 123 mg/m³ 8 hours.
EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
through skin.
STEL: 306 mg/m³ 15 minutes.
STEL: 50 ppm 15 minutes.
TWA: 25 ppm 8 hours.
TWA: 153 mg/m³ 8 hours.

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SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
-methoxymethylethoxy)propanol	DNEL	Long term Oral	0.33 mg/	General	Systemic
	DNEL	Long term Inhalation	kg bw/day 37.2 mg/m³	population General population	Systemic
	DNEL	Long term Dermal	121 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	283 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	308 mg/m ³	Workers	Systemic
2-butoxyethanol	DNEL	Long term Oral	6.3 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	26.7 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	59 mg/m³	General population	Systemic
	DNEL	Long term Dermal	75 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	89 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	89 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	98 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	125 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	147 mg/m³	General population	Local
	DNEL	Short term Inhalation	246 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	426 mg/m ³	General population	Systemic
	DNEL	Short term Inhalation	1091 mg/ m³	Workers	Systemic

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering 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.

Individual protection measures

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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 Skin protection Hand protection

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

Gloves

: When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time >480 minutes according to EN374) is recommended. Recommended gloves: Viton ® or Nitrile, thickness ≥ 0.38 mm. When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time >30 minutes according to EN374) is recommended. Recommended gloves: Nitrile, thickness ≥ 0.12 mm. Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Body protection

: Personnel should wear antistatic clothing made of natural fibres or of hightemperature-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.

OLD LEAD-BASED PAINTS:

When surfaces are to be prepared for painting, account should be taken of the age of the property and the possibility that lead-pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.

Where possible wet sanding or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry sanding cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area.

Respiratory protection in case of dust or spray mist formation. (particle filter EN143 type P2) Respiratory protection in case of vapour formation. (half mask with combination filter A2-P2 til concentrations of 0,5 Vol%.)

The current Control of Lead at Work Regulations approved code of practice should be consulted for advice on protective clothing and personal hygiene precautions. Care should also be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations. All scrapings, dust, etc. should be disposed of by the professional painting contractor as Hazardous Waste.

Extra precautions will also need to be taken when burning off old lead-based paints because fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Similar precautions to those given above about sanding should be taken with reference to protective clothing, disposal of scrapings and dusts, and exclusion of other personnel and especially children from the building during actual work and the subsequent clean up operations.

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SECTION 8: Exposure controls/personal protection

Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

OLD LEAD-BASED PAINTS:

When surfaces are to be prepared for painting, account should be taken of the age of the property and the possibility that lead-pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.

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Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

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

Appearance

Physical state : Liquid.

Colour: Various: See label.Odour: Not available.Odour threshold: Not available.pH: Not applicable.

Melting point/freezing point : Not available.

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SECTION 9: Physical and chemical properties

Initial boiling point and boiling : 185°C

range

: Closed cup: 40°C Flash point **Evaporation rate** : Not available. Upper/lower flammability or : Not available.

explosive limits

: Not available. Vapour pressure : Not available. Vapour density

: 1.196 Relative density

: Insoluble in the following materials: cold water. Solubility(ies)

Partition coefficient: n-octanol/ : Not available.

water

Auto-ignition temperature : Not available. **Decomposition temperature** : Not available.

Viscosity : Kinematic (room temperature): 13.38 cm²/s

Explosive properties : Not available. **Oxidising properties** : Not available.

9.2. Other information

Solubility in water : Not available.

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.

: Keep away from the following materials to prevent strong exothermic reactions: 10.5 Incompatible materials

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 toxicological effects

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties 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 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.

Ingestion may cause nausea, diarrhea and vomiting.

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.

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SECTION 11: Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
ydrocarbons,C10-C13,n- alkanes,isoalkanes,cyclics, <2%aromatics	LC50 Inhalation Vapour	Rat	8500 mg/m ³	4 hours
~2 /0aiOmatics	LD50 Oral	Rat	>6 g/kg	_
Naphtha (petroleum),	LD50 Oral	Rat	>6 g/kg	_
hydrotreated heavy	EBOO GIGI	Ttat	o gring	
2-methoxy-1-methylethyl acetate	LD50 Intraperitoneal	Mouse	>1500 mg/kg	-
	LD50 Oral	Mouse	>5000 mg/kg	_
	LD50 Oral	Rat	9000 mg/kg	_
(2-methoxymethylethoxy) propanol	LD50 Oral	Rat	5400 uL/kg	-
2-butoxyethanol	LC50 Inhalation Gas.	Mouse	700 ppm	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	-
	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 exposure	Mammal -	1500 mg/kg	_
	unreported	species unspecified	1000 mg/kg	
	LD50 Route of exposure unreported	Mouse	1050 mg/kg	-
	LD50 Route of exposure unreported	Rat	917 mg/kg	-
	LDLo Oral	Human	143 mg/kg	
				-
	LDLo Oral	Rat	1500 mg/kg	-
	LDLo Subcutaneous	Mouse	500 mg/kg	-
	TDLo Intraperitoneal	Mammal - species	100 mg/kg	-
	TDI O I	unspecified	400 "	
	TDLo Oral	Man - Male	132 mg/kg	-
	TDLo Oral	Rat	500 mg/kg	-
	TDLo Oral	Woman - Female	600 mg/kg	-
	TDLo Oral	Woman - Female	7813 uL/kg	-
	TDLo Route of exposure unreported	Rat	250 mg/kg	-
1,2-dichlorobenzene	LD50 Dermal	Rabbit	>10 g/kg	-
	LD50 Intraperitoneal	Mouse	1228 mg/kg	-
	LD50 Intraperitoneal	Rat	840 mg/kg	-
	LD50 Oral	Mouse	4386 mg/kg	-
	LD50 Oral	Rabbit	500 mg/kg	-
	LD50 Oral	Rat	500 mg/kg	-
	LD50 Subcutaneous	Rat	5 g/kg	-
	LDLo Intravenous	Mouse	400 mg/kg	-
	LDLo Intravenous	Rabbit	250 mg/kg	-
	LDLo Oral	Guinea pig	2000 mg/kg	_
	TDLo Intraperitoneal	Rat	735 mg/kg	_

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SECTION 11: Toxicological information

TDLo Intraperitoneal	Rat	1 mg/kg	-
TDLo Intraperitoneal	Rat	735 mg/kg	-

Conclusion/Summary

: Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
x ylene	N/A	1100	N/A	11	N/A
2-butoxyethanol	500	N/A	N/A	N/A	0.5
1,2-dichlorobenzene	500	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
x ylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5	-
				milligrams	
	Skin - Mild irritant	Rat	-	8 hours 60	-
				microliters	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	100 Percent	-
(2-methoxymethylethoxy)	Eyes - Mild irritant	Human	-	8 mg	-
propanol					
	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Mild irritant	Rabbit	-	500 mg	-
2-butoxyethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
				mg	
	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
1,2-dichlorobenzene	Eyes - Mild irritant	Rabbit	-	0.5 minutes	-
				100	
				milligrams	

Conclusion/Summary

: Not available.

Sensitisation

Conclusion/Summary

: Not available.

Mutagenicity

Conclusion/Summary

: Not available.

Carcinogenicity

Conclusion/Summary

: Not available.

Reproductive toxicity

Conclusion/Summary

: Not available.

Teratogenicity

Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
√ydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Category 3	-	Narcotic effects
	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

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SECTION 11: Toxicological information

Product/ingredient name	Result
√ydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	ASPIRATION HAZARD - Category 1
Hydrocarbons,C11-C14,n-alkanes,isoalkanes,cyclics, <2%aromatics	ASPIRATION HAZARD - Category 1
Hydrocarbons,C10-C13,n-alkanes,isoalkanes,cyclics, <2%aromatics	ASPIRATION HAZARD - Category 1
Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1

Other information : Not available.

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
x ylene	Acute EC50 90 mg/l Fresh water	Crustaceans - Cypris	48 hours
	_	subglobosa	
	Acute LC50 8.5 ppm Marine water	Crustaceans - Palaemonetes	48 hours
		pugio - Adult	
	Acute LC50 15700 µg/l Fresh water	Fish - Lepomis macrochirus -	96 hours
		Juvenile (Fledgling, Hatchling,	
		Weanling)	
	Acute LC50 20870 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 19000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 16940 µg/l Fresh water	Fish - Carassius auratus	96 hours
2-butoxyethanol	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1490000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours
1,2-dichlorobenzene	Acute EC50 16.2 mg/l Fresh water	Algae - Chlorella marina	72 hours
	Acute EC50 12.8 mg/l Fresh water	Algae - Phaeodactylum	72 hours
		tricornutum	
	Acute EC50 16.9 mg/l Fresh water	Algae - Platymonas	72 hours
		subcordiformis	
	Acute EC50 2200 µg/l Fresh water	Algae - Pseudokirchneriella	96 hours
		subcapitata	
	Acute EC50 13.1 mg/l Fresh water	Algae - Nannochloropsis oculata	
	Acute EC50 740 μg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute EC50 1.55 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute LC50 10300 µg/l Marine water	Crustaceans - Palaemonetes	48 hours
		pugio	
	Acute LC50 4.52 ppm Marine water	Crustaceans - Americamysis	48 hours
		bahia	
	Acute LC50 2400 μg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 2200 μg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5.6 mg/l Fresh water	Fish - Lepomis macrochirus -	96 hours
		Young of the year	
	Acute LC50 1.4 mg/l Fresh water	Fish - Gibelion catla	96 hours
	Acute LC50 1610 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute LC50 4.5 mg/l Fresh water	Fish - Danio rerio	96 hours
	Chronic NOEC 0.63 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 630 µg/l Fresh water	Daphnia - Daphnia magna	21 days

Conclusion/Summary

: Not available.

12.2 Persistence and degradability

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SECTION 12: Ecological information

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
ydrocarbons,C10-C13,n-alkanes,isoalkanes,cyclics, <2%aromatics	-	10 to 2500	high
Naphtha (petroleum), hydrotreated heavy	-	10 to 2500	high
2-ethylhexanoic acid, zirconium salt	-	2.96	low
xylene	3.12	8.1 to 25.9	low
2-methoxy-1-methylethyl acetate	1.2	-	low
(2-methoxymethylethoxy) propanol	0.004	-	low
2-ethylhexanoic acid, manganese salt	-	2.96	low
2-butoxyethanol	0.81	-	low
1,2-dichlorobenzene	3.38	150 to 230	low

12.4 Mobility in soil

Soil/water partition 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 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

Product

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

: Do not allow to enter drains or watercourses.

Disposal considerations

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.

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

Packaging

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.

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SECTION 13: Disposal considerations

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.

Type of packaging		European waste catalogue (EWC)
CEPE Paint Guidelines	15 01 10*	packaging containing residues of or contaminated by hazardous substances

Special precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

Information pertaining to IATA and ADN is considered not relevant since the material is not packaged in the correct approved packaging required of these methods of transport.

14.1 UN number 14.2 UN proper shipping name 14.3 Transport hazard class(es) Class 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		ADR	IMDG
shipping name 14.3 Transport hazard class(es) Class 3 Subsidiary class - 14.4 Packing group III III 14.5 Environmental hazards Marine pollutant substances 14.6 Special precautions for user III 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. HI/Kemler number Emergency schedules (EmS) Transport in bulk : Not applicable. 14.7 Transport in bulk according to IMO	14.1 UN number	UN1263	UN1263
hazard class(es) Class 3 Subsidiary class 14.4 Packing group III 14.5 Environmental hazards Marine pollutant Substances 14.6 Special precautions for user III III No. No. Not available. Not available. Not available. Not available. F-E, S-E 14.7 Transport in bulk : Not applicable. according to IMO		PAINT	PAINT
Subsidiary class			
14.4 Packing group III III III 14.5 Environmental hazards Marine pollutant No. No. Marine pollutant substances 14.6 Special precautions for user III No. No. No. Not available. Not available. Not available. ITransport 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. HI/Kemler number Emergency schedules (EmS) T-E, S-E 14.7 Transport in bulk : Not applicable. according to IMO	Class	3	3
14.5 Environmental hazards Marine pollutant No. No. Not available. 14.6 Special precautions for user 14.6 Special precautions for user 14.6 Special precautions for user 15. Special precautions for user 16. Special precautions for user 17. 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. 16. Special precautions for user 17. Transport in bulk accident or spillage. 18. Special precautions for user is premises: always transporting the product know what to do in the event of an accident or spillage. 18. F-E, S-E 18. Special precautions for user is premises: always transporting the product know what to do in the event of an accident or spillage. 19. Special precautions for user is premises: always transporting the product know what to do in the event of an accident or spillage. 19. Special precautions for user is premises: always transporting the product know what to do in the event of an accident or spillage. 19. Special precautions for user is premises: always transporting the product know what to do in the event of an accident or spillage. 19. Special precautions for user is premises: always transporting the product know what to do in the event of an accident or spillage.	Subsidiary class	-	-
Environmental hazards Marine pollutant No. No. Marine pollutant substances 14.6 Special precautions for user No. 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. HI/Kemler number 30 Emergency schedules (EmS) 14.7 Transport in bulk : Not applicable. according to IMO	14.4 Packing group	III	III
Marine pollutant substances 14.6 Special precautions for user HI/Kemler number Emergency schedules (EmS) 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. F-E, S-E	Environmental		
14.6 Special precautions for user HI/Kemler number Emergency schedules (EmS) 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. F-E, S-E		No.	No.
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. HI/Kemler number 30 Emergency schedules (EmS) 14.7 Transport in bulk : Not applicable. according to IMO			Not available.
Emergency schedules (EmS) 14.7 Transport in bulk : Not applicable. according to IMO	precautions for	transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an	
14.7 Transport in bulk : Not applicable. according to IMO	HI/Kemler number	30	
according to IMO			F-E, S-E
	according to IMO		

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Information pertaining to IATA and ADN is considered not relevant since the material is not packaged in the correct approved packaging required of these methods of transport.

Additional information

Viscous liquid exception This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.

Tunnel code (D/E)

<u>Viscous liquid exception</u> This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed, or the component present is below its threshold.

Substances of very high concern

None of the components are listed, or the component present is below its threshold.

Annex XVII - Restrictions : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other EU regulations

VOC for Ready-for-Use : Not applicable.

Mixture

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

International regulations

Chemical Weapon Convention 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 Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety assessment

: No Chemical Safety Assessment has been carried out.

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SECTION 16: Other information

CEPE code : 1

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

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification
Mam. Liq. 3, H226	On basis of test data

Full text of abbreviated H statements

⊬ 225	Lighty flammable liquid and yengur
l'	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated
	exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of classifications [CLP/GHS]

Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED
	EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE -
	Category 3

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RUBBOL SATURA

SECTION 16: Other information

Notice to reader

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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