SAFETY DATA SHEET

RUBBOL AZ PLUS

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

1.1. Product identifier Product name : RUBBOL AZ PLUS

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

Use of the Product : High solid paint for exterior.

1.3. Information on the supplier of the safety data sheet

Akzo Nobel Coatings SpA Via
Pietro Nenni 14,
28053 Castelletto sopra Ticino,
Tel. +39 0331 916611
Internet: www.sikkens.it

E-mail address of the Responsible person of the safety data sheet : service.clienti@akzonobel.com

1.4 Emergency telephone number

Telephone number : Telephone number: +39 0331 916611 (active 24/7) International AkzoNobel emergency number: +31 71 3086944 (active 24/7)

Version : **15.01**

Date of issue previous one : 17-12-2020

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition: Blend

Classification according to EC Regulation No. 1272/2008 [CLP / GHS]
Flam. Liq. 3, H226 STOT SE 3, H336

This product is classified as dangerous according to Regulation (EC) 1272/2008 and subsequent amendments.

Ingredients of unknown toxicity : 0%

Ingredients of unknown ecotoxicity : 0%

See section 16 for the full text of the hazard statements mentioned above. For more detailed information on health effects and symptoms, see Section 11.

2.2 Label elements

SECTION 2: Hazards identification

Hazard pictograms :

Warning : Caution

Hazard statements : H226 - Flammable liquid and vapor. H336 - May cause drowsiness or dizziness.

Precautionary advice

General : P102 - Keep out of reach of children.
P101 - If a doctor is consulted, have the product container or label available.

Prevention : P210 - Keep away from heat sources, heated surfaces, sparks, flames and other ignition sources. Smoking prohibited.
P233 - Keep container tightly closed.
P262 - Avoid contact with eyes, skin or clothing.

Reaction : P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - If you feel unwell, call a POISON CENTER or doctor.

storage : P235 - Keep in a cool place.

Disposal : P501 - Dispose of product and container in accordance with local, regional, national, international regulations.

Dangerous ingredients : Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 1-methoxypropan-2-ol

Additional elements of the label : Contains IPBC. It can cause an allergic reaction. Repeated exposure may cause skin dryness or cracking.
Attention! In case of vaporization, dangerous respirable droplets may be formed. Do not breathe vapors or mists.

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

Special Packaging Obligations

Containers that must be equipped with a child safety lock : Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other dangers

Other dangers not mentioned in the classification : None known.

SECTION 3: Composition / information on ingredients

3.2 Mixtures :Blend

SECTION 3: Composition / information on ingredients

Product name/ ingredient	Identifiers	%	Regulation (EC) n. 1272/2008 [CLP]	Guy
Hydrocarbons, C9-C11, nalkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119463258-33	≥10 - ≤20	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	[1]
Naphtha (petroleum), hydrotreated heavy	CE: 265-150-3 CAS number: 64742-48-9 Index: 649-327-00-6	≤1	Asp. Tox. 1, H304 EUH066	[1]
1-methoxypropan-2-ol	REACH #: 01-2119457435-35 CE: 203-539-1 CAS number: 107-98-2 Index: 603-064-00-3	≤3	Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]
2-ethylhexanoic acid, zirconium salt	REACH #: 01-2119979088-21 CE: 245-018-1 CAS number: 22464-99-9	<3	Repr. 2, H361fd (Fertility and Unborn Child)	[1]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119457273-39	≤3	Asp. Tox. 1, H304 EUH066	[1]
IPBC	CE: 259-627-5 CAS number: 55406-53-6 Index: 616-212-00-7	<0.25	Acute Tox. 4, H302 Acute Tox. 3, H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372 Aquatic Acute 1, H400 (M = 10) Aquatic Chronic 1, H410 (M = 1)	[1]
(methyl-2-methoxyethoxy) propanol	REACH #: 01-2119450011-60 CE: 252-104-2 CAS number: 34590-94-8	≤0.3	Not classified.	[2]
1-methyl acetate 2-methoxyethyl	REACH #: 01-2119475791-29 CE: 203-603-9 CAS number: 108-65-6 Index: 607-195-00-7	≤0.1	Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]
2-ethylhexanoic acid, manganese salt	CE: 240-085-3 CAS number: 15956-58-8	≤0.1	Eye Irrit. 2, H319 Repr. 2, H361fd (Fertility and Unborn Child) STOT RE 2, H373 Aquatic Chronic 2, H411	[1] [2]
2-butoxyethanol	EC: 203-905-0 CAS number: 111-76-2 Index: 603-014-00-0	≤0.1	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1] [2]
1,2-dichlorobenzene	CE: 202-425-9 CAS number: 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)	[1] [2]
methanol	CE: 200-659-6 CAS number: 67-56-1 Index:	<0.1	Flam. Liq. 2, H225 Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331	[1] [2]

SECTION 3: Composition / information on ingredients

	603-001-00-X		STOT SE 1, H370 **See section 16 for the full text of the** **danger** **mentioned above.**	

There are no additional ingredients which, in the current knowledge of the supplier and in the applicable concentrations, are classified as dangerous for health or the environment, meet the PBT or vPvB criteria or are considered as substances with an equivalent degree of problematicity or substances to which an occupational exposure limit has been assigned and should therefore be reported in this section.

Guy

[1] Substance presenting a health or environmental hazard
[2] Substance for which there are workplace exposure limits
[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 information related to company policy

Occupational exposure limits, if known, are listed in section 8.

SECTION 4: first aid measures

4.1 Description of first aid measures General

: If in doubt or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If the victim is unconscious, have him assume the safety position and call the doctor.

Eye contact : Remove contact lenses, rinse thoroughly with clean, fresh water, holding the eyelids open for at least 10 minutes and seek immediate medical attention.

By inhalation : Bring to fresh air. Keep the person warm and at rest. In case of lack of breathing, irregular breathing or respiratory arrest, give artificial respiration or have oxygen administered by trained personnel.

Skin contact : Remove contaminated clothing and shoes. Wash thoroughly with soap and water or use an effective skin cleanser. DO NOT use solvents or thinners.

Ingestion : If swallowed, seek medical advice immediately and show the container or label. Keep the person warm and at rest. DO NOT induce vomiting.

Protection of rescuers : No action shall be taken involving any personal risk or without suitable training. If fumes are still suspected, wear a mask or respirator. Performing mouth-to-mouth resuscitation can be dangerous for the person helping.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture was evaluated following the conventional method of the CLP regulation (EC) No. 1272/2008 and is consequently classified according to its toxicological properties. For more details, see Sections 2 and 3.

Exposure to solvent vapor concentrations above the pre-established occupational limit can be harmful to health, causing irritation of the mucous membranes and respiratory tract with adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, dizziness and wobbling, fatigue, muscle weakness, sleepiness and in extreme cases loss of consciousness.
Solvents may cause some of the aforementioned effects via skin absorption. Repeated or prolonged contact with the mixture can result in the removal of natural skin fat, resulting in non-allergic contact dermatitis and absorption through the skin.
Contact of the liquid with the eyes can cause irritation and reversible damage.
Ingestion can cause nausea, diarrhea and vomiting.
If known, the delayed and immediate effects, as well as the chronic effects of the components deriving from short and long-term exposure, by the oral and dermal route, by inhalation and by contact with the eyes, are taken into account.

Contains IPBC. It can cause an allergic reaction.

SECTION 4: first aid measures

4.3 Indication of any immediate medical attention and special treatment needed Notes to physician

: Treat symptomatically. If large quantities are ingested or inhaled, contact a poison control center immediately.

Specific treatments : No specific treatment.

See Section 11 for Toxicological Information (Section 11)

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media :Recommended: alcohol resistant foam,CO_2,powders, water spray.

Unsuitable extinguishing media :Do not use full jet water.

5.2 Special hazards arising from the substance or mixture

Hazards arising from the substance or mixture : Any fires develop thick black smoke. Exposure to decomposition products can be dangerous to health.

Hazardous Combustion Products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, nitrogen oxides.

5.3 Recommendations for firefighters

Special actions of protection for firefighters : Cool closed containers exposed to flames with water. Do not channel the products of a fire into drains or water courses.

Special protective equipment for personnel fire fighting : The use of a self-contained breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For those who do not intervene directly : Remove any sources of ignition and ventilate the room. Avoid breathing vapors or mists. Consult the protective measures listed in sections 7 and 8.

For those who intervene directly : If specialized 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 service operators".

6.2 Environmental precautions: Do not dispose of the product in the sewer system and water courses. In case of contamination by the product of lakes, rivers or waste water, inform the competent authorities in accordance with current legislation.

6.3 Methods and materials for: containment and

quenching and tempering

Contain and collect any spills with non-combustible absorbent material, such as sand, earth, vermiculite, diatomite and dispose of the product in a container in accordance with current legislation (see Section 13). Clean, preferably using a detergent. Avoid using solvents.

6.4 Reference to other sections : For emergency telephone numbers, see Section 1.
See Section 8 for information on appropriate personal protective equipment.

For more information on waste treatment, refer to Section 13.

SECTION 7: handling and storage

The information contained in this section contains general information and warnings. Refer to the list of Identified Uses in Section 1 for specific information available provided in the exposure scenario (s).

7.1 Precautions for safe handling

:Prevent the development of flammable or explosive vapor concentrations in the air o that exceed the occupational exposure limits.
Also, use the product only in rooms from which all naked flame lamps and other sources of ignition have been removed. Protect electrical equipment according to appropriate standards.
The mixture can become electrostatically charged: always use ground connections when transferring it from one container to another.
Operators must wear antistatic shoes and clothing, while floors must be conductive.
Keep away from sources of heat, sparks and flames. Do not use any tools that cause sparks.
Avoid contact with eyes and skin. Avoid inhalation of dust, particulates, aerosols or mists deriving from the application of this mixture. Avoid inhalation of dust deriving from sandblasting.
It is forbidden to eat, drink and smoke in areas where the material is handled, stored or treated.
Put on appropriate personal protective equipment (see Section 8).
Never empty the product by subjecting it to pressure. The container is not pressurized.
Always keep the material in the original container.
Observe the provisions of the laws relating to health and safety in the workplace.

Do not dispose of the product in the sewer system and water courses. **Information on fire and explosion protection**
Vapors are heavier than air and can spread over floors. Vapors can form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Store according to local regulations.
Notes on shared storage
Keep away from: oxidizing agents, strong alkalis, strong acids. **Additional information on storage conditions**
Observe the precautions on the label. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. Smoking prohibited. Access prohibited to outsiders. Open containers must be carefully resealed and kept straight to prevent accidental product spillage.

7.3 Specific end uses

Warnings : Unavailable.

Specific guidelines for the industrial sector : Unavailable.

SECTION 8: Exposure controls / personal protection

The information contained in this section contains general information and warnings. The information provided refers to the typical uses envisaged for the product. Additional measures may be needed for bulk processing or other uses that could significantly increase worker exposure or emissions to the environment.

8.1 Control parameters

Occupational exposure limits

SECTION 8: Exposure controls / personal protection

Name of the product / ingredient	Exposure limit values
1-methoxy-2-propanol	**Ministry of Labor and Social Policies (Italy, 10/2013). Absorbed through the skin.** 8 hours: 100 ppm 8 hours. 8 hours: 375 mg / m³ 8 hours. Short Term: 150ppm 15 minutes. Short Term: 568 mg / m³ 15 minutes.
(methyl-2-methoxyethoxy) propanol	**Ministry of Labor and Social Policies (Italy, 10/2013). Absorbed through the skin.** 8 hours: 50 ppm 8 hours. 8 hours: 308 mg / m³ 8 hours.
1-methyl-2-methoxyethyl acetate	**Ministry of Labor and Social Policies (Italy, 10/2013). Absorbed through the skin.** 8 hours: 50 ppm 8 hours. 8 hours: 275 mg / m³ 8 hours. Short Term: 100ppm 15 minutes. Short Term: 550 mg / m³ 15 minutes.
2-ethylhexanoic acid, manganese salt	**EU Occupational Exposure Limit Values (Europe, 2/2017). Notes: list of indicative occupational exposure limit values** TWA: 0.2 mg / m³, ((as manganese)) 8 hours. Form: Inhalable fraction TWA: 0.05 mg / m³, ((as manganese)) 8 hours. Form: Respirable fraction
2-butoxyethanol	**Ministry of Labor and Social Policies (Italy, 10/2013). Absorbed through the skin.** 8 hours: 20 ppm 8 hours. 8 hours: 98 mg / m³ 8 hours. Short Term: 50ppm 15 minutes. Short Term: 246 mg / m³ 15 minutes.
1,2-dichlorobenzene	**Ministry of Labor and Social Policies (Italy, 10/2013). Absorbed through the skin.** 8 hours: 20 ppm 8 hours. 8 hours: 122 mg / m³ 8 hours. Short Term: 50ppm 15 minutes. Short Term: 306 mg / m³ 15 minutes.
methanol	**Ministry of Labor and Social Policies (Italy, 10/2013). Absorbed through the skin.** 8 hours: 200 ppm 8 hours. 8 hours: 260 mg / m³ 8 hours.

Monitoring Procedures: Recommended

If this product contains ingredients with exposure limits, personal, workplace atmosphere and biological monitoring may be required to determine the effectiveness of ventilation or other control measures and / or the need to use protective equipment respiratory. Refer to the monitoring standards, such as the following: European standard EN 689 (Atmosphere in the workplace - Guidance on the assessment of exposure by inhalation to chemical compounds for the purpose of comparison with limit values and measurement strategy) Standard European EN 14042 (Atmospheres in the workplace - Guide to the application and use of procedures for assessing exposure to chemical and biological agents) European standard EN 482 (Atmospheres in

DNEL / DMEL

No DNEL / DMEL available.

PNEC

No PNECs available.

8.2 Exposure controls

SECTION 8: Exposure controls / personal protection

Appropriate technical checks : Provide adequate ventilation. When reasonably practicable, this can be achieved through replacement ventilation and good general aspiration. If it is impossible to keep the concentrations of solvent vapors and powders below the occupational exposure limit, wear suitable means of respiratory protection.

Individual protection measures

Hygiene measures : Before eating, smoking and using the lavatory and at the end of the working period, wash your hands, arms and face thoroughly after handling chemicals. Appropriate techniques should be used to remove potentially contaminated clothing. Wash the contaminated garments before reusing them. Make sure that the eyewash stations and emergency showers are close to the place of use.

Eye / face protection : Use protective goggles to prevent accidental penetration of liquids into the eyes.

Skin protection

Hand protection

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

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

Device of body protection : Personnel must wear antistatic clothing made of natural fiber or synthetic fiber resistant to high temperatures.

Other devices of skin protection : Choose appropriate footwear and any additional skin protection measures based on the activity being carried out and the inherent risks. Such choices must be approved by a specialist before handling this product.

Respiratory protection : If workers are exposed to concentrations above the exposure limit, use appropriate, certified respirators.

Treatments such as sanding, sandblasting or flame removal, etc., of the paint layers, can generate dangerous dust and / or fumes. Wet sanding should be used wherever possible. Respiratory protection in case of dust or spray mist formation. (particulate filter EN143 type P2) Respiratory protection in case of vapor formation. (half mask with A2-P2 combined filter up to concentrations of 0.5% by volume.)

Environmental exposure controls : Do not dispose of the product in the sewer system and water courses.

SECTION 9: physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	:	Liquid.
Color	:	Miscellaneous: See
Odor	:	label. Unavailable.
Odor threshold	:	Unavailable.
pH	:	Unavailable.
Melting point / freezing point	:	Unavailable.
Initial boiling point and boiling range	:	185 ° C
Flash point Evaporation	:	Closed cup: 39 ° C
rate	:	Unavailable.

SECTION 9: physical and chemical properties

Upper / lower flammability or explosive limits	:	Unavailable.
Vapor pressure	:	Unavailable.
Vapor density	:	Unavailable.
Relative density	:	1.128
Solubility (the solubilities)	:	Insoluble in the following materials: cold water.
Partition coefficient: noctanol / water	:	Unavailable.
Temperature of self-ignition	:	Unavailable.
Temperature of decomposition	:	Unavailable.
Viscosity	:	Kinematic (room temperature): 14.18 cm_2/ s Not
Explosive properties	:	available.
Oxidizing properties	:	Unavailable.

9.2. Other information

Solubility in water	:	Unavailable.

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 : The product is stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of reactions: Under normal conditions of storage and use, hazardous reactions will not occur. **dangerous**

10.4 Conditions to avoid : If exposed to high temperatures it can produce dangerous decomposition products.

10.5 Incompatible materials: To avoid strong exothermic reactions, keep away from the following materials: oxidizing agents, strong alkalis, strong acids.

10.6 Products of dangerous decomposition : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, nitrogen oxides.

SECTION 11: toxicological information

11.1 Information on toxicological effects

There are no data available on the mixture itself. The mixture was evaluated following the conventional method of the CLP regulation (EC) No. 1272/2008 and is consequently classified according to its toxicological properties. For more details, see Sections 2 and 3.

Exposure to solvent vapor concentrations above the pre-established occupational limit can be harmful to health, causing irritation of the mucous membranes and respiratory tract with adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, dizziness and wobbling, fatigue, muscle weakness, sleepiness and in extreme cases loss of consciousness.
Solvents may cause some of the aforementioned effects via skin absorption. Repeated or prolonged contact with the mixture can result in the removal of natural skin fat, resulting in non-allergic contact dermatitis and absorption through the skin.
Contact of the liquid with the eyes can cause irritation and reversible damage.
Ingestion can cause nausea, diarrhea and vomiting.
If known, the delayed and immediate effects, as well as the chronic effects of the components deriving from short and long-term exposure, by the oral and dermal route, by inhalation and by contact with the eyes, are taken into account.

SECTION 11: toxicological information

Contains IPBC. It can cause an allergic reaction. **Acute toxicity**

Product name/ ingredient	Result	Species	Dose	Exposure
IPBC	LD50 Oral LD50	Rat	1470 mg / kg	-
(methyl-2-methoxyethoxy) propanol	Cutaneous	Rabbit	10 mL / kg	-
	LD50 Oral LD50 Oral	Dog	7500 mg / kg	-
	LD50 Oral LD50	Rat	5.5 mL / kg	-
	Intraperitoneal	Rat	5400 uL / kg	-
1-methyl acetate		Mouse	> 1500 mg / kg	-
2-methoxyethyl				
	LD50 Oral LD50 Oral LC50	Mouse	> 5000 mg / kg	-
	For inhalation Gas. DL50	Rat	9000 mg / kg	-
2-butoxyethanol	By cutaneous route	Mouse	700 ppm	7 hours
		Piggy of India	230 uL / kg	-
	LD50 Through the skin	Rabbit	220 mg / kg	-
	LD50 Intraperitoneal	Mouse	536 mg / kg	-
	LD50 Intraperitoneal	Rabbit	220 mg / kg	-
	LD50 Intraperitoneal	Rat	220 mg / kg	-
	DL50 Intravenous	Mouse	1130 mg / kg	-
	DL50 Intravenous	Rabbit	252 mg / kg	-
	DL50 Intravenous	Rat	307 mg / kg	-
	LD50 Oral	Piggy of India	1200 mg / kg	-
	LD50 Oral LD50	Mouse	1230 mg / kg	-
	Oral LD50 Oral	Mouse	1167 mg / kg	-
	LD50 Oral LD50	Rabbit	300 mg / kg	-
	Oral LD50 Oral	Rabbit	320 mg / kg	-
		Rat	917 mg / kg	-
		Rat	250 mg / kg	-
	DL50 Exposure path not reported	Mammal - species not specified	1500 mg / kg	-
	DL50 Exposure path not reported	Mouse	1050 mg / kg	-
	DL50 Exposure path not reported	Rat	917 mg / kg	-
	LDLo Oral LDLo	Human	143 mg / kg	-
	Oral LDLo	Rat	1500 mg / kg	-
	Subcutaneous	Mouse	500 mg / kg	-
	Intraperitoneal TDLo	Mammal - species not specified	100 mg / kg	-
	TDLo Orally	Man - Male	132 mg / kg	-
	TDLo Oral TDLo	Rat	500 mg / kg	-
	Oral	Woman - Female	600 mg / kg	-
	TDLo Orally	Woman - Female	7813 uL / kg	-
	TDLo Exposure path not reported	Rat	250 mg / kg	-
1,2-dichlorobenzene	LD50 Through the skin	Rabbit	> 10 g / kg	-
	LD50 Intraperitoneal	Mouse	1228 mg / kg	-
	LD50 Intraperitoneal	Rat	840 mg / kg	-
	LD50 Oral LD50	Mouse	4386 mg / kg	-
	Oral LD50 Oral	Rabbit	500 mg / kg	-
	LD50 Subcutaneous	Rat	500 mg / kg	-
		Rat	5 g / kg	-
	Intravenous LDLo	Mouse	400 mg / kg	-
	Intravenous LDLo	Rabbit	250 mg / kg	-

SECTION 11: toxicological information

	LDLo Orally	Piggy of India	2000 mg / kg	-
	Intraperitoneal TDLo	Rat	735 mg / kg	-
	Intraperitoneal TDLo	Rat	1 mg / kg	-
	Intraperitoneal TDLo	Rat	735 mg / kg	-
methanol	LD50 Through the skin	Rabbit	15800 mg / kg	-
	LD50 Intraperitoneal	Piggy of India	3556 mg / kg	-
	LD50 Intraperitoneal	Hamster	8555 mg / kg	-
	LD50 Intraperitoneal	Mouse	10765 mg / kg	-
	LD50 Intraperitoneal	Rabbit	1826 mg / kg	-
	LD50 Intraperitoneal	Rat	7529 mg / kg	-
	DL50 Intravenous	Mouse	4710 mg / kg	-
	DL50 Intravenous	Rabbit	8907 mg / kg	-
	DL50 Intravenous	Rat	2131 mg / kg	-
	LD50 Oral LD50	Dog	7500 mg / kg	-
	Oral LD50 Oral	Ape	7 g / kg	-
	LD50 Oral LD50	Ape	7000 mg / kg	-
	Oral LD50 Oral	Mouse	5800 mg / kg	-
	LD50 Oral LD50	Pig	> 5000 mg / kg	-
	Subcutaneous	Rabbit	14200 mg / kg	-
		Rat	5600 mg / kg	-
		Mouse	9800 mg / kg	-
	LDLo Dermal LDLo	Ape	393 mg / kg	-
	Intravenous	Cat	4641 mg / kg	-
	LDLo Oral LDLo	Dog	7500 mg / kg	-
	Oral LDLo Oral	Human	428 mg / kg	-
	LDLo Oral	Human	143 mg / kg	-
		Man - Male	14 mL / kg	-
	LDLo Orally	Man - Male	6422 mg / kg	-
	LDLo Oral LDLo	Ape	5000 mg / kg	-
	Oral LDLo Oral	Mouse	420 mg / kg	-
	LDLo Oral	Rabbit	7500 mg / kg	-
		Woman - Female	10 mL / kg	-
	LDLo Parenterale	Frog	59 g / kg	-
	LDLo Exposure path not reported	Man - Male	868 mg / kg	-
	Intraperitoneal TDLo	Rat	3490 mg / kg	-
	Intraperitoneal TDLo	Rat	3000 mg / kg	-
	TDLo Orally	Man - Male	0.43 mL / kg	-
	TDLo Orally	Man - Male	1.14 mL / kg	-
	TDLo Orally	Man - Male	1.4 mL / kg	-
	TDLo Orally	Man - Male	3429 mg / kg	-
	TDLo Orally	Man - Male	3571 uL / kg	-
	TDLo Orally	Man - Male	9450 uL / kg	-
	TDLo Oral TDLo	Rat	8 g / kg	-
	Oral TDLo Oral	Rat	3 g / kg	-
	TDLo Oral TDLo	Rat	3 g / kg	-
	Oral TDLo Oral	Rat	8 mL / kg	-
		Rat	3500 mg / kg	-
		Woman - Female	4 g / kg	-
	TDLo Subcutaneous	Rat	6825 mg / kg	-

Conclusion / Summary :Unavailable.

SECTION 11: toxicological information

Acute toxicity estimates

Street	Acute Toxicity Assessment
Inhalation (gas) Inhalation (vapors)	182,272.5 ppm 781.2 mg / l

Irritation / Corrosion

Product name/ ingredient	Result	Species	Score	Exposure	Observation
1-methoxypropan-2-ol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
(methyl-2-methoxyethoxy) propanol	Eyes - Mild irritant	Human	-	8 milligrams	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
2-butoxyethanol	Eyes - Moderately irritating	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Strongly irritating	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
1,2-dichlorobenzene	Eyes - Mild irritant	Rabbit	-	0.5 minutes 100 milligrams	-
methanol	Eyes - Moderately irritating	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderately irritating	Rabbit	-	40 milligrams	-
	Skin - Moderately irritating	Rabbit	-	24 hours 20 milligrams	-

Conclusion / Summary : Unavailable.

Awareness raising

Conclusion / Summary : Unavailable.

Mutagenicity

Conclusion / Summary : Unavailable.

Carcinogenicity

Conclusion / Summary : Unavailable.

Reproductive toxicity

Conclusion / Summary : Unavailable.

Teratogenicity

Conclusion / Summary : Unavailable.

Specific target organ toxicity (STOT) - single exposure

Name of the product / ingredient	Category	Via of exposure	Target organs
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Category 3	Not applicable.	Narcosis
1-methoxypropan-2-ol	Category 3	Not applicable.	Narcosis

Specific target organ toxicity (STOT) - repeated exposure

Name of the product / ingredient	Category	Via of exposure	Target organs
IPBC	Category 1	Not determined	Not determined

Aspiration hazard

SECTION 11: toxicological information

Name of the product / ingredient	Result
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	DANGER IN CASE OF ASPIRATION - Category 1
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	DANGER IN CASE OF ASPIRATION - Category 1
Naphtha (petroleum), hydrotreated heavy	DANGER IN CASE OF ASPIRATION - Category 1

Other information :Unavailable.

SECTION 12: ecological information

12.1 Toxicity

There are no data available on the mixture itself.
Do not dispose of the product in the sewer system and water courses.

The mixture has been evaluated following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment, but contains one or more substances dangerous for the environment. See section 3 for more details.

Product name/ ingredient	Result	Species	Exposure
IPBC	Acute EC50 0.022 mg / l	Algae - Scenedesmus subspicatus	72 hours
	Acute EC50 0.16 ppm Fresh water	Daphnia - Daphnia magna Fish -	48 hours
	Acute LC50 72 ppb Fresh water Acute	Oncorhynchus mykiss Fish -	96 hours
	LC50 67 µg / l Fresh water	Oncorhynchus mykiss - Juvenile	96 hours
2-butoxyethanol	Acute EC50> 1000 mg / l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 µg / l Sea water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1490000 µg / l Fresh water	Fish - Lepomis macrochirus Fish	96 hours
	Acute LC50 1250000 µg / l Sea water	- 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 tricornutum	72 hours
	Acute EC50 16.9 mg / l Fresh water	Algae - Platymonas subcordiformis	72 hours
	Acute EC50 2200 µg / l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 13.1 mg / l Fresh water	Algae - Nannochloropsis oculata	72 hours
	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 10 300 µg / l Sea water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 4.52 ppm Sea water Acute	Crustaceans - Americamysis bahia	48 hours
	LC50 2400 µg / l Fresh water Acute	Dafnia - Daphnia magna	48 hours
	LC50 2200 µg / l Fresh water Acute	Daphnia - Daphnia magna Fish -	48 hours
	LC50 5.6 mg / l Fresh water	Lepomis macrochirus - Born in the year	96 hours
	Acute LC50 1.4 mg / l Fresh water Acute	Fish - Gibelion catla Fish -	96 hours
	LC50 1610 µg / l Fresh water Acute LC50	Oncorhynchus mykiss Fish -	96 hours
	4.5 mg / l Fresh water Chronic NOEC	Danio rerio	96 hours
	0.63 mg / l Fresh water Chronic NOEC	Daphnia - Daphnia magna Dafnia -	21 days
	630 µg / l Fresh water Acute EC50 16.912	Daphnia magna Algae - Ulva	21 days
methanol	mg / l Sea water Acute EC50 24500000	pertusa Daphnia - Daphnia magna	96 hours
	µg / l Fresh water	- Larva	48 hours
	Acute EC50 22200 mg / l Fresh water	Daphnia - Daphnia obtusa - Newborn	48 hours
	Acute EC50 12835 mg / l Fresh water	Fish - Lepomis macrochirus Fish	96 hours
	Acute EC50 12700000 µg / l Fresh water	- Lepomis macrochirus - Juvenile	96 hours

SECTION 12: ecological information

	Acute EC50 13000000 µg / l Fresh water	Fish - Oncorhynchus mykiss - Juvenile	96 hours
	Acute LC50 2500000 µg / l Sea water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 3289 mg / l Fresh water	Daphnia - Daphnia magna - Newborn	48 hours
	Acute LC50 15.32 g / L Fresh water	Fish - Oreochromis mossambicus - Adult	96 hours
	Acute LC50 290 mg / l Fresh water	Fish - Danio rerio - Egg	96 hours
	Chronic NOEC 71 ppm Fresh water	Algae - Heterosigma akashiwo	96 hours
	Chronic NOEC 1400 ppm Fresh water	Algae - Skeletonema costatum	96 hours
	Chronic NOEC 410 ppm Fresh water	Algae - Prorocentrum minimum	96 hours
	Chronic NOEC 24 ppm Fresh water	Algae - Eutreptiella sp.	96 hours
	Chronic NOEC 9.96 mg / l Sea water	Algae - Ulva pertusa	96 hours

Conclusion / Summary :Unavailable.

12.2 Persistence and degradability

Conclusion / Summary :Unavailable.

Product name/ ingredient	Half-life in water	Photolysis	Biodegradability
IPBC	-	-	Easily

12.3 Bioaccumulative potential

Product name/ ingredient	$LogP_{ow}$	BCF	Potential
1-methoxypropan-2-ol	<1	-	low
2-ethylhexanoic acid, zirconium salt	-	2.96	low
IPBC	2.81	-	low
(methyl-2-methoxyethoxy) propanol	0.004	-	low
1-methyl acetate 2-methoxyethyl	1.2	-	low
2-ethylhexanoic acid, manganese salt	-	2.96	low
2-butoxyethanol	0.81	-	low
1,2-dichlorobenzene	3.38	150 to 230	low
methanol	- 0.77	<10	low

12.4 Mobility in soil

Soil / water partition coefficient (K_{OC}) : Unavailable.

Mobility : Unavailable.

12.5 Results of PBT and vPvB PBT

assessment : Not applicable.

vPvB : Not applicable.

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

SECTION 13: Disposal considerations

The information contained in this section contains general information and warnings. Refer to the list of Identified Uses in Section 1 for specific information available provided in the exposure scenario (s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products must always be carried out in accordance with the legal indications on environmental protection and waste disposal and the requirements of each relevant local authority. Dispose of surplus and non-recyclable products through an authorized waste disposal company. Untreated waste should not be disposed of in the sewer system unless it fully complies with the requirements of each entity and legislation.

Hazardous waste : The classification of the product could meet the criteria for hazardous waste.

Considerations on the disposal : Do not dispose of the product in the sewer system and water courses.
Dispose of in accordance with applicable regional, state and local laws.
If this product is mixed with other wastes, the original refused code can no longer be applied and an appropriate code will need to be assigned.
For more information, contact the responsible waste disposal agency.

Packing

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging must be recycled. Incineration or landfilling should only be considered when recycling is not practicable.

Considerations on the disposal : Using the information provided in this safety data sheet, contact the appropriate waste disposal authority for guidance on the classification of empty containers.
Empty containers must be discarded or reprocessed.
Dispose of containers contaminated by the product in accordance with local or national regulatory requirements.

Type of packaging	European Waste Catalog	
CEPE Paint Guidelines	15 01 10 *	packaging containing residues of dangerous substances or contaminated by such substances

Special precautions : Do not dispose of the product and the container except with due precautions. Care should be taken when handling emptied containers that have not been cleaned or rinsed. Empty containers or liners can retain product residues. The vapors emitted by product residues can develop an easily flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been thoroughly cleaned inside. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

The information pertaining to IATA and ADN is considered irrelevant as the material is not packaged in the correct approved packaging required by these modes of transport.

	ADR	IMDG
14.1 UN number	A1263	A1263
14.2 Name of shipment of the UN	PAINTS	PAINTS

The information pertaining to IATA and ADN is considered irrelevant as the material is not packaged in the correct approved packaging required by these modes of transport.

14.3 Classes of connected danger to transport **Class** **Secondary class**	 3 -	 3 -
14.4 Group of packaging	III	III
14.5 Dangers for the environment **Marine pollutant** **Substances marine pollutants**	 No.	 No. Unavailable.
14.6 Precautions special for users	**Transport within the user's property:**always carry out transport with closed containers, stored vertically and secured to the means of transport. Verify the suitability of the persons carrying out the transport to intervene effectively in the event of an accident and / or spill.	
Number of identification of danger or number Kemler **Schemes of emergency ("EmS")**	30	 FE, SE

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code **:**Not applicable.

Information additional	**Viscous substance exemption** In pack sizes less than 450 liters, under the terms of 2.2.3.1. 5, this product is not subject to the provisions of ADR. **Tunnel code** (D / E)	**Exemption for viscous substances** In pack sizes up to and including 30 liters, in compliance with the terms of code 2.3.2.5, this product is not subject to the requirements packaging, labeling and marking referred to in the IMDG Code; however, all documentation and posting of the labels will still be required cargo transport.

SECTION 15: Regulatory information

15.1 Health, safety and environmental legislation and regulations specific to the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of Extremely Concern

SECTION 15: Regulatory information

None of the components are listed.

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

Other EU regulations

VOC for ready-to-use mixtures : Not applicable.

Substances harmful to the ozone layer (1005/2009 / EU)

Not in the list.

Prior Inform Consent (PIC - Prior Inform Consent) (649/2012 / UE) Not in the list.

Seveso Directive

This product can cause an increase in the calculation for determining whether a site is within the limits of the Seveso Major Accident Hazards Directive.

National standards

Legislative Decree 152/06 :0.0061% Table B Class III
0.0061% Table B Class III - Total emissions

0.0061% Total emissions

International Regulations

Chemical Weapons Convention List - Tables I, II and III Chemical Compounds

Not in the list.

Montreal Protocol (Annexes A, B, C, E) Not in the list.

Stockholm Convention on Persistent Organic Pollutants Not in the list.

Rotterdam Convention on Prior Informed Consent (PIC) Not in the list.

UNECE Protocol to the Aarhus Convention on Persistent Organic Pollutants and Heavy Metals Not in the list.

15.2 Evaluation of chemical safety :No chemical safety assessment has been carried out.

SECTION 16: other information

CEPE code :1

Indicates information that has changed from previously issued.

Abbreviations and acronyms : ATE = Estimation of Acute Toxicity
CLP = Classification, Labeling and Packaging [Regulation (EC) No. 1272/2008] DMEL = Derived level with minimal effects
DNEL = Derived No Effect Level
EUH indication = CLP specific risk provisions PBT = Persistent, Bioaccumulative, 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)]

SECTION 16: other information

Classification	Justification
Flam. Liq. 3, H226 STOT SE 3, H336	Based on the experimental data of the tests Calculation method

Full text of abbreviated hazard statements

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H301	Toxic if ingested.
H302	Harmful if swallowed.
H304	It can be fatal if swallowed and if it enters the respiratory tract.
H311	Toxic in contact with the skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction. Causes
H318	serious eye damage.
H319	Causes serious eye irritation. Toxic
H331	if inhaled.
H332	Harmful if inhaled.
H335	It can irritate the respiratory tract. It can
H336	cause drowsiness or dizziness.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child. It causes damage to organs.
H370	
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic organisms.
H410	Very toxic to aquatic life with long lasting effects. Toxic to aquatic
H411	life with long lasting effects.

Full text of classifications [CLP / GHS]

Acute Tox. 3, H301	ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (skin) -
Acute Tox. 3, H311	Category 3 ACUTE TOXICITY (inhalation) - Category 3 ACUTE
Acute Tox. 3, H331	TOXICITY (oral) - Category 4 ACUTE TOXICITY (skin) - Category 4
Acute Tox. 4, H302	ACUTE TOXICITY (inhalation) - Category 4 DANGER A SHORT-
Acute Tox. 4, H312	TERM (ACUTE) FOR THE AQUATIC ENVIRONMENT - Category 1
Acute Tox. 4, H332	
Aquatic Acute 1, H400	
Aquatic Chronic 1, H410	LONG-TERM (CHRONIC) HAZARD TO THE AQUATIC ENVIRONMENT - Category 1
Aquatic Chronic 2, H411	LONG-TERM (CHRONIC) HAZARD TO THE AQUATIC ENVIRONMENT - Category 2
Asp. Tox. 1, H304	ASPIRATION HAZARD - Category 1 Repeated exposure may
EUH066	cause skin dryness or cracking.
Eye Dam. 1, H318	SERIOUS EYE DAMAGE / EYE IRRITATION - Category 1 SERIOUS EYE
Eye Irrit. 2, H319	DAMAGE / EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS -
Flam. Liq. 2, H225	Category 2
Flam. Liq. 3, H226	FLAMMABLE LIQUIDS - Category 3
Repr. 2, H361fd	REPRODUCTIVE TOXICITY (Fertility and Unborn Child) - Category 2
Skin Irrit. 2, H315	SKIN CORROSION / IRRITATION - Category 2 SKIN
Skin Sens. 1, H317	SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN
STOT RE 1, H372	TOXICITY (REPEATED EXPOSURE) - Category 1
STOT RE 2, H373	SPECIFIC TOXICITY TO TARGET ORGANS (REPEATED EXPOSURE) - Category 2
STOT SE 1, H370	SPECIFIC TOXICITY TO TARGET ORGANS (SINGLE EXPOSURE) - Category 1
STOT SE 3, H335	SPECIFIC TOXICITY FOR TARGET ORGANS

SECTION 16: other information

STOT SE 3, H336	(SINGLE EXPOSURE) (Irritation of the respiratory tract) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcosis) - Category 3

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Notice to the reader

IMPORTANT NOTE. The information contained in this sheet is not to be considered exhaustive and is based on our current technical knowledge and on the laws in force: anyone who uses the product for purposes other than those specifically suggested in the technical sheet, without having previously obtained our written authorization, does so. at your own risk. It is always the user's responsibility to take all necessary measures to comply with the requirements of local laws. Always read the safety data sheet and the technical data sheet of this product, if available. All suggestions or statements made by us regarding the product (whether in this sheet or otherwise) are correct to the best of our knowledge, however, the quality or condition of the media or the many external factors affecting the use and application of the product are beyond our control. Consequently, in the absence of a specific written agreement, we accept no responsibility for the performance of the product or for any loss or damage resulting from its use. All products and technical advice provided comply with our standard terms and conditions of sale. We recommend that you ask for a copy of this document and read it carefully. The information contained in this sheet is subject to periodic changes, in the light of the experiences acquired and our policy of continuous development. It is the user's responsibility to verify that this sheet is up to date before using the product.

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