

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

1.1 Product identifier	
Product name	: Hardtop Clear Comp A
Product code	: 31982
Product description	: Paint.
Product type	: Liquid.
Other means of identification	: Not available.

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

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency telephone number

National Poison Information Center

+90 224 442 82 93 Uludağ Üniversitesi Zehir Danışma Merkezi (www.uludag.edu.tr/uludag/zehir.html) a. ACİL DURUM TELEFONU: Zehirlenme durumlarında gerektiğinde ulusal zehir merkezinin (UZEM) 114 nolu telefonunu arayınız. b. ACİL İLK YARDIM MERKEZİ:112 c. İTFAİYE:110

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

: Mixture

Classification according to regulation SEA: RG.-10/12/2020-31330

Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H336 Aquatic Chronic 3, H412

Product definition

The product is classified as hazardous according to Regulation SEA: RG.-10/12/2020-31330.

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

SECTION 2: Hazards identification

Hazard pictograms	
Signal word	: Warning.
Hazard statements	 H226 - Flammable liquid and vapour. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements	
General	: Not applicable.
Prevention	 P280 - Wear protective gloves. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P261 - Avoid breathing vapour.
Response	 P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
Storage	: P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	: n-butyl acetate
	xylene decanedioic acid, 1,10-bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidinyl) decanedioate 2-hydroxyethyl methacrylate
Supplemental label elements	: Not applicable.
Annex 17 - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	<u>ents</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	: 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	%	SEA: RG10/12/2020-31330	Туре
n-butyl acetate	EC: 204-658-1 CAS: 123-86-4	≥10 - ≤25	Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]
xylene	EC: 215-535-7 CAS: 1330-20-7	≥10 - <20	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
ethylbenzene	EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	<10	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
a mixture of branched and linear c7-c9 alkyl-3-[3-(2h- benzotriazol-2-yl)-5- (1,1-dimethylethyl) -4-hydroxyphenyl]propionates	CAS: 127519-17-9	≤3	Aquatic Chronic 2, H411	[1]
decanedioic acid, 1,10-bis (1,2,2,6,6-pentamethyl- 4-piperidinyl) ester, mixt. with 1-methyl 10- (1,2,2,6,6-pentamethyl- 4-piperidinyl) decanedioate	CAS: 1065336-91-5	≤1	Skin Sens. 1A, H317 Repr. 2, H361f Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
2-hydroxyethyl methacrylate	EC: 212-782-2 CAS: 868-77-9	≤0.3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 See Section 16 for the full text of the H statements declared above.	[1]

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 or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may : 29.11.2023

SECTION 4: First aid measures

	be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects Eye contact : Causes serious eye irritation. Inhalation : May cause drowsiness or dizziness. **Skin contact** : Causes skin irritation. May cause an allergic skin reaction. : No known significant effects or critical hazards. Ingestion **Over-exposure signs/symptoms** Eye contact : Adverse symptoms may include the following: pain or irritation watering redness Inhalation : Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness **Skin contact** : Adverse symptoms may include the following: irritation redness Ingestion : No specific data. 4.3 Indication of any immediate medical attention and special treatment needed

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Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.

SECTION 5: Firefighting measures

5.2 Special hazards arising from the substance or mixture			
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.		
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides		
5.3 Advice for firefighters			
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.		
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.		

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	ective e	quipment and emergency procedures
For non-emergency personnel	Evacu enterir No flar Provid	tion shall be taken involving any personal risk or without suitable training. ate surrounding areas. Keep unnecessary and unprotected personnel from ng. Do not touch or walk through spilt material. Shut off all ignition sources. res, smoking or flames in hazard area. Avoid breathing vapour or mist. e adequate ventilation. Wear appropriate respirator when ventilation is quate. Put on appropriate personal protective equipment.
For emergency responders	inform	cialised clothing is required to deal with the spillage, take note of any ation in Section 8 on suitable and unsuitable materials. See also the ation in "For non-emergency personnel".
6.2 Environmental precautions	and se	dispersal of spilt material and runoff and contact with soil, waterways, drains ewers. Inform the relevant authorities if the product has caused environmental on (sewers, waterways, soil or air). Water polluting material. May be harmful environment if released in large quantities.
6.3 Methods and material for	ontainm	ent and cleaning up
Small spill	explos Alterna	eak if without risk. Move containers from spill area. Use spark-proof tools and sion-proof equipment. Dilute with water and mop up if water-soluble. atively, or if water-insoluble, absorb with an inert dry material and place in an priate waste disposal container. Dispose of via a licensed waste disposal ctor.
Large spill	explose sewers effluer combu and pl license	eak if without risk. Move containers from spill area. Use spark-proof tools and sion-proof equipment. Approach the release from upwind. Prevent entry into s, water courses, basements or confined areas. Wash spillages into an ant treatment plant or proceed as follows. Contain and collect spillage with non- ustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth ace in container for disposal according to local regulations. Dispose of via a ed waste disposal contractor. Contaminated absorbent material may pose the hazard as the spilt product.
6.4 Reference to other sections	See S	ection 1 for emergency contact information. ection 8 for information on appropriate personal protective equipment. ection 13 for additional waste treatment information.

Date of revision

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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
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

Store in accordance with local regulations. Store in a segregated and approved area. 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. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. 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.

See Technical Data Sheet / packaging for further information.

Regulation on the prevention of major industrial accidents and reduction of their effects - Reporting thresholds

Danger criteria

	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonne	50000 tonne

7.3 Specific end use(s)

Recommendations

: Not available.

Industrial sector specific solutions

: Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
n-butyl acetate	EU OEL (Europe, 1/2022). Notes: list of indicative occupational exposure limit values STEL: 150 ppm 15 minutes. STEL: 723 mg/m ³ 15 minutes. TWA: 241 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.
xylene	TR ISGGM OEL (Turkey, 12/2013). [Xylene (pure and mixed isomers)] Absorbed through skin. TWA: 221 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.
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	STEL: 442 mg/m ³ 15 minutes. STEL: 100 ppm 15 minutes.
ethylbenzene	TR ISGGM OEL (Turkey, 12/2013). Absorbed through skin.
	TWA: 442 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	STEL: 884 mg/m³ 15 minutes.
	STEL: 200 ppm 15 minutes.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : 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	Туре	Exposure	Value	Population	Effects
n-butyl acetate	DNEL	Short term	960 mg/m ³	Workers	Systemic
		Inhalation	_		
	DNEL	Short term	960 mg/m ³	Workers	Local
		Inhalation	_		
	DNEL	Long term	480 mg/m ³	Workers	Systemic
		Inhalation	_		
	DNEL	Long term	480 mg/m ³	Workers	Local
		Inhalation	-		
	DNEL	Short term	859.7 mg/	General	Systemic
		Inhalation	m³	population	
				[Consumers]	
	DNEL	Short term	859.7 mg/	General	Local
		Inhalation	m³	population	
	1			[Consumers]	
	DNEL	Long term	102.34 mg/	General	Systemic
		Inhalation	m³ Ö	population	,
				[Consumers]	
	DNEL	Long term	102.34 mg/	General	Local
		Inhalation	m ³	population	
				[Consumers]	
	DNEL	Long term Oral	2 mg/kg	General	Systemic
			bw/day	population	-,
	DNEL	Short term Oral	2 mg/kg	General	Systemic
			bw/day	population	- ,
	DNEL	Long term Dermal	3.4 mg/kg	General	Systemic
			bw/day	population	-,
	DNEL	Short term Dermal	6 mg/kg	General	Systemic
			bw/day	population	-,
	DNEL	Long term Dermal	7 mg/kg	Workers	Systemic
		5	bw/day		,
	DNEL	Short term Dermal	11 mg/kg	Workers	Systemic
			bw/day		,
	DNEL	Long term	12 mg/m ³	General	Systemic
	1	Inhalation		population	
	DNEL	Long term	35.7 mg/m ³	General	Local
		Inhalation	Ŭ	population	
	DNEL	Long term	48 mg/m ³	Workers	Systemic
		Inhalation	3	-	,
	DNEL	Short term	300 mg/m ³	General	Local
		Inhalation		population	
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	DNEL	Short term	300 mg/m ³	General	Systemic
		Inhalation		population	
	DNEL	Long term Inhalation	300 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	600 mg/m³	Workers	Local
	DNEL	Short term Inhalation	600 mg/m³	Workers	Systemic
xylene	DNEL	Long term Oral	12.5 mg/ kg bw/day	General population	Systemic
	DNEL	Long term	65.3 mg/m ³	General	Local
	DNEL	Inhalation Long term	65.3 mg/m³	population General	Systemic
	DNEL	Inhalation Long term Dermal	125 mg/kg	population General	Systemic
	DNEL	Long term Dermal	bw/day 212 mg/kg	population Workers	Systemic
	DNEL	Long term	bw/day 221 mg/m³	Workers	Local
	DNEL	Inhalation Long term	221 mg/m ³	Workers	Systemic
	DNEL	Inhalation Short term	260 mg/m³	General	Local
	DNEL	Inhalation Short term	260 mg/m³	population General population	Systemic
	DNEL	Inhalation Short term Inhalation	442 mg/m ³	population Workers	Local
	DNEL	Short term Inhalation	442 mg/m³	Workers	Systemic
ethylbenzene	DMEL	Long term	442 mg/m³	Workers	Local
	DMEL	Short term Inhalation	884 mg/m³	Workers	Systemic
	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	15 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	77 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	293 mg/m ³	Workers	Local
a mixture of branched and linear c7-c9 alkyl-3-[3-(2h-benzotriazol- 2-yl)-5-(1,1-dimethylethyl) -4-hydroxyphenyl]propionates	DNEL	Long term Oral	0.0033 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.00333 mg/kg bw/ day	General population	Systemic
	DNEL	Long term Inhalation	0.0057 mg/	General population	Systemic
	DNEL	Long term Dermal	0.165 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.35 mg/m ³	Workers	Systemic
decanedioic acid, 1,10-bis (1,2,2,6,6-pentamethyl-4-piperidinyl) ester, mixt. with 1-methyl 10- (1,2,2,6,6-pentamethyl-4-piperidinyl)	DNEL	Long term Oral	0.18 mg/ kg bw/day	General population	Systemic
decanedioate	DNEL	Long term Inhalation	0.31 mg/m³	General population	Systemic

SECTION 8: Exposure controls/personal protection

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	DNEL	Long term Dermal	0.9 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1.27 mg/m ³		Systemic
	DNEL	Long term Dermal	1.8 mg/kg bw/day	Workers	Systemic
2-hydroxyethyl methacrylate	DNEL	Long term Oral	0.83 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.83 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	1.3 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	2.9 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	4.9 mg/m ³	Workers	Systemic

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
n-butyl acetate	Fresh water	0.18 mg/l	-
•	Marine	0.018 mg/l	-
	Sewage Treatment Plant	35.6 mg/l	-
	Fresh water sediment	0.981 mg/kg dwt	-
	Marine water sediment	0.0981 mg/kg dwt	-
	Soil	0.0903 mg/kg dwt	-
kylene	Fresh water	0.327 mg/l	-
-	Marine	0.327 mg/l	-
	Sewage Treatment Plant	6.58 mg/l	-
	Fresh water sediment	12.46 mg/kg dwt	-
	Marine water sediment	12.46 mg/kg dwt	-
	Soil	2.31 mg/kg dwt	-
ethylbenzene	Fresh water	0.1 mg/l	-
	Marine	0.01 mg/l	-
	Sewage Treatment Plant	9.6 mg/l	-
	Fresh water sediment	13.7 mg/kg dwt	-
	Soil	2.68 mg/kg dwt	-
	Secondary Poisoning	20 mg/kg	-

8.2 Exposure controls

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Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.	
Individual protection meas	ures		
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 clothin Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	
Eye/face protection	:	Safety eyewear complying to ISO 16321-1:2022 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.	S,
Skin protection			
Hand protection	:		
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SECTION 8: Exposure controls/personal protection

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	 There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
	Wear suitable gloves tested to ISO 374-1:2016. Not recommended, gloves(breakthrough time) < 1 hour: Viton® (> 0.7 mm), neoprene (> 0.35 mm), PVC (> 0.5 mm) Recommended, gloves(breakthrough time) > 8 hours: 4H/Silver Shield® (> 0.07 mm), Teflon (> 0.35 mm), polyvinyl alcohol (PVA) (> 0.3 mm) May be used, gloves(breakthrough time) 4 - 8 hours: butyl rubber (> 0.4 mm), nitrile rubber (> 0.75 mm)
	For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant 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	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
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	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Clear.
Odour	: Characteristic.
Odour threshold	: Not applicable.
Melting point/freezing point	: Not applicable.
Initial boiling point and boiling range	 Lowest known value: 126°C (258.8°F) (n-butyl acetate). Weighted average: 131.28°C (268.3°F)
Flammability (solid, gas)	: Not applicable.

Date of revision

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Upper/lower flammability or explosive limits	0.8 - 7.6%	
Flash point	Closed cup: 26°C (78.8°F)	
Auto-ignition temperature	Lowest known value: 415°C (779°F) (n-butyl acetate).	
Decomposition temperature	Not available.	
рН	Not applicable.	
Viscosity	Kinematic (40°C): >20.5 mm²/s	
Solubility(ies)		
Media	Result	
cold water	Not soluble	
hot water	Not soluble	
Partition coefficient: n-octanol water	Not available.	
Vapour pressure	Highest known value: 1.5 kPa (11.3 mm Hg) (at 20°C) (n-butyl acetate). Weighted average: 1.23 kPa (9.23 mm Hg) (at 20°C)	
	Highest known value: 1 (n-butyl acetate) Weighted average: 0.89compared butyl acetate	d with
Density	0.992 g/cm ³	
Vapour density	Highest known value: 4 (Air = 1) (n-butyl acetate). Weighted average: 3.8 (Air = 1)	34
Explosive properties	Not available.	
Oxidising properties	Not available.	
Particle characteristics		
Median particle size	Not applicable.	

9.2 Other information

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No additional information.

SECTION 10: Stabilit	y	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.
10.3 Possibility of hazardous reactions	1	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	1	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
10.5 Incompatible materials	1	Reactive or incompatible with the following materials: oxidising materials
10.6 Hazardous decomposition products	1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Shelf life at 23 °C	:	48 month(s)

SECTION 11: Toxicological information

11.1 Information on toxicological effects <u>Acute toxicity</u>

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
n-butyl acetate	LC50 Inhalation Vapour	Rat	>21.1 mg/l	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	13100 mg/kg	-
xylene	LC50 Inhalation Vapour	Rat	20 mg/l	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
	TDLo Dermal	Rabbit	4300 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat - Male	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
2-hydroxyethyl methacrylate	LD50 Oral	Rat	5050 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)
Hardtop Clear Comp A	N/A	5628.1	N/A	74.4	N/A
n-butyl acetate	13100	N/A	N/A	N/A	N/A
xylene	4300	1100	N/A	20	N/A
ethylbenzene	3500	N/A	N/A	17.8	N/A
2-Hydroxyethyl methacrylate	5050	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
2-hydroxyethyl methacrylate	Eyes - Mild irritant	Mammal - species unspecified	-	-	-
	Skin - Mild irritant	Mammal - species unspecified	-	-	-

Conclusion/Summary : Not available.

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
2-hydroxyethyl methacrylate	skin	Mammal - species unspecified	Sensitising
Conclusion/Summary	: Not available.		
<u>Mutagenicity</u>			
Conclusion/Summary	: Not available.		
Carcinogenicity			
Conclusion/Summary	: Not available.		
Reproductive toxicity			
Conclusion/Summary	: Not available.		
Teratogenicity			
Conclusion/Summary	: Not available.		
Specific target organ toxicit	<u>y (single exposur</u>	<u>e)</u>	

SECTION 11: Toxicological information

Product/ingredient name	Category	Route of exposure	Target organs
n-butyl acetate xylene	Category 3 Category 3	-	Narcotic effects Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs

Aspiration hazard

Product/ingredient name	Result	
xylene	ASPIRATION HAZARD - Category 1	
ethylbenzene	ASPIRATION HAZARD - Category 1	

Information on likely routes : Not available. of exposure

Potential acute health effects

Eye contact	Causes serious eye irritation.	
Inhalation	: May cause drowsiness or dizziness.	
Skin contact	: Causes skin irritation. May cause an allergic skin reacti	on.
Ingestion	: No known significant effects or critical hazards.	

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

<u>Short term exposure</u>	
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 eff	<u>ects</u>
Not available.	
Conclusion/Summary	: Not available.

SECTION 11: Toxicological information

General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
ethylbenzene	Acute LC50 13400 μg/l Fresh water Acute EC50 7700 μg/l Marine water Acute EC50 2.93 mg/l Acute LC50 4.2 mg/l	Fish - Pimephales promelas Algae - Skeletonema costatum Daphnia Fish	96 hours 96 hours 48 hours 96 hours
a mixture of branched and	LC50 10 mg/l	Fish	96 hours
linear c7-c9 alkyl-3-[3-(2h- benzotriazol-2-yl)-5- (1,1-dimethylethyl) -4-hydroxyphenyl] propionates decanedioic acid, 1,10-bis (1,2,2,6,6-pentamethyl- 4-piperidinyl) ester, mixt. with 1-methyl 10- (1,2,2,6,6-pentamethyl- 4-piperidinyl) decanedioate	Acute EC50 1.68 mg/l	Algae	96 hours
· p.p	Acute LC50 0.9 mg/l Chronic NOEC 1 mg/l	Fish Daphnia	96 hours 21 days

Conclusion/Summary

: This material is harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Conclusion/Summary	: Not available.		
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene ethylbenzene	-		Readily Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
n-butyl acetate xvlene	2.3 3.12	- 8.1 to 25.9	low low
ethylbenzene	3.6 0.42	-	low low

12.4 Mobility in soil

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

SECTION 12: Ecological information

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	: Yes.	
Waste list		
Waste code	Waste code definition	
08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances	

	08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances
Pa	ackaging	
ľ	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.
S	oecial 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

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	Paint	Paint	Paint	Paint
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	111	III		Ш
14.5 Environmental hazards	No.	Yes.	No.	No.

Additional information

ADR/RID

: Hazard identification number 30

Tunnel code (D/E)

ADR/RID: Viscous substance. Not goods of class 3, ref. 2.2.3.1.5 (only applicable to receptacles < 450 litre capacity).

SECTION 14: Transp	ort information
•	
ADN	: The product is only regulated as an environmentally hazardous substance when transported in tank vessels.
IMDG	: <u>Emergency schedules</u> F-E, <u>S-E</u>
	IMDG: Viscous substance. Transport in accordance with 2.3.2.5 of the IMDG Code (only applicable to receptacles < 450 litre capacity).
	Segregation Group: Not Applicable
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 i the event of an accident or spillage.
14.7 Transport in bulk according to IMO instruments	: Not available.
SECTION 15: Regula	tory information
	onmental regulations/legislation specific for the substance or mixture
Turkey Regulation No. 3010	
	ices subject to authorization
Annex 14 None of the components a	are listed.
Substances of very high	
None of the components a	
Annex 17 - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Ozone depleting substance Not listed.	<u>IS</u>
Regulation on the prevention	on of major industrial accidents and reduction of their effects
This product is controlled un effects.	nder the Regulation on the prevention of major industrial accidents and reduction of their
Danger criteria	
Category	
P5c	
EU regulations	
EU Regulation (EC) No. 19	07/2006 (REACH)
	ances subject to authorisation
Annex XIV	
None of the components a	
Substances of very high	
None of the components a	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.

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

mixtures and articles

SECTION 15: Regulatory information

Not listed.

Persistent Organic Pollutants

Not listed.

International regulations

<u>Chemical Weapon Convention List Schedules I, II & III Chemicals</u> 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	1	This product contains substances for which Chemical Safety Assessments are still
assessment		required.

SECTION 16: Other information

✓ Indicates information that has changed from previously issued version.

Abbreviations and	: ATE = Acute Toxicity Estimate
acronyms	EUH statement = SEA-specific Hazard statement
-	N/A = Not available
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	SGG = Segregation Group
	vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to regulation SEA: RG.-10/12/2020-31330

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
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.
H412	Harmful to aquatic life with long lasting effects.

SECTION 16: Other information

Full text of classifications [SEA/GHS]

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
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
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
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
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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Version **Contact information of certified author**

• 1

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