SAFETY DATA SHEET

Date of issue/Date of revision

: 14 October 2024

Version

: 3.05



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

undertaking	
1.1 Product identifier	
Product name	: SIGMAGUARD 720/730 HARDENER
Product code	: 000001011119
Other means of identification	ation
00141194; 00171569; 001	71572; 00198747; 00319236
1.2 Relevant identified use	es of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Hardener.; Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier	of the safety data sheet
Sigma Paint Saudi Arabia I PO Box 7509, Dammam 3 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	

e-mail address of person : PS.ACEMEA@ppg.com responsible for this SDS

1.4 Emergency telephone number

: 00966 138473100 extn 1001

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

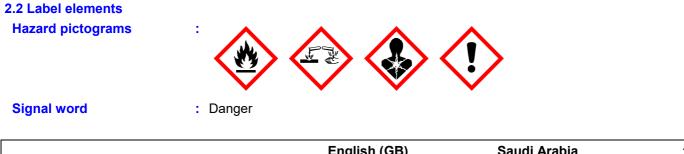
Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 STOT SE 3, H335 STOT SE 3, H336

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

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.



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SECTION 2: Hazards identification

	identification
Hazard statements	 Flammable liquid and vapour. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer.
Precautionary statements	
Prevention	: Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Response	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations.
	P280, P210, P305 + P351 + P338, P310, P403 + P233, P501
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	<u>nents</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	: Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤21	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	00	[1] [2]
		English	n (GB)	Saudi Arabia	2/15

Code : 00000101 SIGMAGUARD 720/730 F		Da	ate of issue/Date of revisi	on : 14 October	r 2024
SECTION 3: Composition/information on ingredients					
	•		Aquatic Chronic 3, H412		
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3		Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
4-methylpentan-2-one	REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4		Flam. Liq. 2, H225 Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 EUH066	ATE [Inhalation (vapours)] = 11 mg/l EUH066: C ≥ 20%	[1] [2]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥5.0 - ≤10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4		Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]
2-methoxypropanol	EC: 216-455-5 CAS: 1589-47-5 Index: 603-106-00-0	<0.30	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318	-	[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, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Repr. 1B, H360D STOT SE 3, H335 See Section 16 for the full text of the H statements declared

above.

<u>Type</u>

[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.

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

	English (GB) Saudi Arabia	3/15
Ingestion		swallowed, seek medical advice immediately and show the container or label. Keep erson warm and at rest. Do NOT induce vomiting.	
Skin contact		g and shoes. Wash skin thoroughly with s er. Do NOT use solvents or thinners.	oap and water
Inhalation		son warm and at rest. If not breathing, if t occurs, provide artificial respiration or ox	
Eye contact		ntact lenses. Immediately flush eyes with yelids open. Seek immediate medical atte	•
4.1 Description of first a	aid measures		

Code : 000001011	Date of issue/Date of revision : 14 October 2024
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SECTION 4: First a	aid measures
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 symp	toms and effects, both acute and delayed
Potential acute health ef	ifects
Eye contact	: Causes serious eye damage.
Inhalation	 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
Skin contact	: Causes skin irritation. Defatting to the skin.
Ingestion	: Can cause central nervous system (CNS) depression.
Over-exposure signs/sy	<u>mptoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any imm	ediate medical attention and special treatment needed
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

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

5.2 Special hazards arising from the substance or mixture

Hazards from the	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In
substance or mixture	a fire or if heated, a pressure increase will occur and the container may burst, with the
	risk of a subsequent explosion.

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SECTION 5: Firefighting measures

Hazardous combustion products	Decomposition products may include the following materials: carbon oxides	
5.3 Advice for firefighters		
Special precautions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incider there is a fire. No action shall be taken involving any personal risk or without suit training. Move containers from fire area if this can be done without risk. Use wa spray to keep fire-exposed containers cool.	table
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained br apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clo for fire-fighters (including helmets, protective boots and gloves) conforming to Eu standard EN 469 will provide a basic level of protection for chemical incidents.	othing

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and material for	ontainment and cleaning up
Small spill	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product.
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

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

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SIGMAGUARD 720/730 HARDENER

SECTION 7: Handling and storage

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. 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 between the following temperatures: 0 to 35°C (32 to 95°F). 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.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

SECTION 8: Exposure controls/personal protection

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).

8.1 Control parameters

Occupational exposure limits

Product/ingredient name		Exposure limit values				
xylene	EU OEL (Europe, 1/20 through skin. TWA 8 hours: 50 ppm TWA 8 hours: 221 mg STEL 15 minutes: 100 STEL 15 minutes: 442	ı/m³.) ppm.	osorbed			
1-methoxy-2-propanol	EU OEL (Europe, 1/20 TWA 8 hours: 100 ppr TWA 8 hours: 375 mg STEL 15 minutes: 150 STEL 15 minutes: 568	ı/m³.) ppm.				
4-methylpentan-2-one	EU OEL (Europe, 1/20 TWA 8 hours: 20 ppm TWA 8 hours: 83 mg/r STEL 15 minutes: 50 STEL 15 minutes: 208	n. m ³ . ppm.				
2-methylpropan-1-ol	ACGIH TLV (United St	tates, 7/2023)				
	English (GB)	Saudi Arabia	6/15			

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 Code : 000001011119 Date of issue/Date of revision : 14 October 2024

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ethylbenzene		TWA 8 hours: 50 ppm. TWA 8 hours: 152 mg/m ³ . EU OEL (Europe, 1/2022) Absorbed through s TWA 8 hours: 100 ppm. TWA 8 hours: 442 mg/m ³ . STEL 15 minutes: 200 ppm. STEL 15 minutes: 884 mg/m ³ .	kin.
xylene		DOL BEI (South Africa, 3/2021) [xylenes] BEI: 1.5 g/g creatinine, methylhippuric acid [in end of shift.	urine]. Sampling time:
4-methylpentan-2-one		DOL BEI (South Africa, 3/2021) BEI: 1 mg/l, methyl isobutyl ketone [in urine]. S shift.	Sampling time: end of
ethylbenzene		DOL BEI (South Africa, 3/2021) BEI: 0.15 g/g creatinine, sum of mandelic acid acid [in urine]. Sampling time: end of shift.	l and phenylglyoxylic
Recommended monitoring procedures	Standard EN 689 by inhalation to c strategy) Europe application and u biological agents requirements for agents) Referen	d be made to monitoring standards, such as the 9 (Workplace atmospheres - Guidance for the as chemical agents for comparison with limit values ean Standard EN 14042 (Workplace atmosphere use of procedures for the assessment of exposur b) European Standard EN 482 (Workplace atmos the performance of procedures for the measure nee to national guidance documents for methods ostances will also be required.	and measurement and measurement es - Guide for the re to chemical and spheres - General ment of chemical
8.2 Exposure controls			
Appropriate engineering controls	other engineering recommended o	equate ventilation. Use process enclosures, loca g controls to keep worker exposure to airborne c r statutory limits. The engineering controls also i oncentrations below any lower explosive limits. I ment.	ontaminants below any need to keep gas,
Individual protection measur	<u>es</u>		
Hygiene measures	eating, smoking Appropriate tech Wash contamina	earms and face thoroughly after handling chemic and using the lavatory and at the end of the work niques should be used to remove potentially con ated clothing before reusing. Ensure that eyewas se to the workstation location.	king period. taminated clothing.
Eye/face protection Skin protection	: Chemical splash	goggles and face shield.	
Hand protection	worn at all times necessary. Cons during use that th noted that the tin glove manufactu protection time o frequently repeat (breakthrough tir When only brief o (breakthrough tir The user must cl product is the mo	ant, impervious gloves complying with an approve when handling chemical products if a risk asses sidering the parameters specified by the glove m he gloves are still retaining their protective prope ne to breakthrough for any glove material may be rers. In the case of mixtures, consisting of seven of the gloves cannot be accurately estimated. Will ted contact may occur, a glove with a protection me greater than 480 minutes according to EN 37 contact is expected, a glove with a protection cla me greater than 30 minutes according to EN 374 heck that the final choice of type of glove selecte ost appropriate and takes into account the particle e user's risk assessment.	sment indicates this is anufacturer, check rties. It should be different for different ral substances, the nen prolonged or class of 6 4) is recommended. ss of 2 or higher) is recommended. d for handling this
Gloves	:		

English (GB)

Saudi Arabia

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Conforms to 2020/878	Regulation (EC) No	o. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)
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		For prolonged or repeated handling, use the following type of gloves:
		May be used: nitrile rubber
		Recommended: polyvinyl alcohol (PVA), butyl rubber, Viton®
Body prot	ection :	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 skir	n 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 :	
Environme controls	ntal exposure :	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

		Engl	ish (GB)		Saudi /	Arabia		8/15
		4-methylpentan-2-one	15.75128	2.1				
			mm Hg		Method	mm Hg	kPa	Method
Vapour pressure	:	Ingredient name	Vapoι	ır Pressı	ire at 20°C	Vapo	ur press	sure at 50°C
Partition coefficient: n-octanol/ water	': N	Not applicable.	T			1		
cold water		Not soluble						
Media		Result						
Solubility(ies)	:							
Viscosity	ł	Kinematic (100m tem Kinematic (40°C): >2 60 - 100 s (ISO 6mm	1 mm²/s ́	. 1101 ava				
Viscosity		Dynamic (room temp Kinematic (room tem						
pH	: 1	Not applicable. insolu	ıble in wa	ter.				
Decomposition temperature		Stable under recomm	nended st	orage an	d handling co	nditions (see Sec	tion 7).
Auto-ignition temperature		290°C (554°F)						
Flash point	: (Closed cup: 26°C						
Upper/lower flammability or explosive limits	: 1	Not available.						
Flammability	: 1	Not determined. The	e are no	data avai	lable on the r	nixture its	elf.	
Initial boiling point and boiling range	: >	>37.78°C						
Melting point/freezing point		Not determined.						
Odour threshold		lot available.						
Colour Odour		Amine-like.						
Physical state		₋iquid. Colourless.						

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878					
Code : 00000101111	9	Date of issue/Date of revision	: 14 October 2024		
SIGMAGUARD 720/730 HAR	DENER				
SECTION 9: Physica	I and chemical	properties			
Relative density	: 0.98				
Explosive properties	ve properties : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.				
Oxidising properties	: Product does n	ot present an oxidizing hazard.			
Particle characteristics					
Median particle size	: Not applicable.				

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity					
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.				
10.2 Chemical stability	: The product is stable.				
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. Refer to protective measures listed in sections 7 and 8.				
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.				
10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides				

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
1-methoxy-2-propanol	LC50 Inhalation Vapour	Rat	>7000 ppm	6 hours
	LD50 Dermal	Rabbit	13 g/kg	-
	LD50 Oral	Rat	5.2 g/kg	-
4-methylpentan-2-one	LC50 Inhalation Vapour	Rat	11 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	2.08 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
2-methoxypropanol	LC50 Inhalation Vapour	Rat	15000 ppm	4 hours
	LD50 Dermal	Rabbit	5660 mg/kg	-
	LD50 Oral	Rat	5.3 g/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

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SECTION 11: Toxicological information

Product/ingredien	it name	Result	Species	Score	Exposure	Observation
xylene		Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Conclusion/Summary		1		1		I
Skin	: There are	no data available on the r	mixture itself	-		
Eyes	: There are	no data available on the r	mixture itself	-		
Respiratory	: There are	no data available on the r	mixture itself	-		
Sensitisation						
Conclusion/Summary						
Skin	: There are	e no data available on the	mixture itsel	f.		
Respiratory	: There are	e no data available on the	mixture itsel	f.		
Mutagenicity						
Conclusion/Summary	: There are	e no data available on the	mixture itsel	f.		
Carcinogenicity						
Conclusion/Summary	: There are	e no data available on the	mixture itsel	f.		
Reproductive toxicity						
Conclusion/Summary	: There are	e no data available on the	mixture itsel	f.		
Teratogenicity						
Conclusion/Summary	: There are	e no data available on the	mixture itsel	f.		
Specific target organ toxi	city (sinale exp	oosure)				

Product/ingredient name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation
1-methoxy-2-propanol	Category 3	-	Narcotic effects
4-methylpentan-2-one	Category 3	-	Narcotic effects
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
2-methoxypropanol	Category 3	-	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

Prod	uct/ingredient name	Result
xylene ethylbenzene		ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
nformation on likely outes of exposure	: Not available.	
Potential acute health e	ffects	
Inhalation	: Can cause central nervous sy dizziness. May cause respira	vstem (CNS) depression. May cause drowsiness or tory irritation.
Ingestion	: Can cause central nervous system (CNS) depression.	
Skin contact	: Causes skin irritation. Defatting to the skin.	
Eve contact	: Causes serious eye damage.	

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SECTION 11: Toxicological information

		J
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Ingestion	:	Adverse symptoms may include the following: stomach pains
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Eye contact	:	Adverse symptoms may include the following: pain watering redness
Delayed and immediate effe	<u>cts</u>	as well as chronic effects from short and long-term exposure
Short term exposure		
Potential immediate effects	1	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 effe	ect	<u>S</u>
Not available.		
Conclusion/Summary	:	Not available.
General	:	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	1	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	:	No known significant effects or critical hazards.
Other information	:	Not available.
Brolongod or reported contact	t m	ay dry skip and source irritation. Deposted exposure to high veper concentrations may

Prolonged or repeated contact may dry skin and cause irritation. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

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SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l	Fish	96 hours
	Fresh water		
4-methylpentan-2-one	Acute LC50 >179 mg/l	Fish	96 hours
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh	Daphnia	48 hours
	water		
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	

Conclusion/Summary

: There are no data available on the mixture itself.

12.2 Persistence and degradability

4-methylpentan-2-one OECD 301F 83 % - Readily - 28 days	Product/ingredient name	Test	Result	Dose	Inoculum
	4-methylpentan-2-one ethylbenzene		83 % - Readily - 28 days 79 % - Readily - 10 days	-	-

Conclusion/Summary : There are no data available on the mixture itself.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene	-		Readily
4-methylpentan-2-one	-		Readily
ethylbenzene	-		Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	7.4 to 18.5	Low
1-methoxy-2-propanol	<1	-	Low
4-methylpentan-2-one	1.9	-	Low
2-methylpropan-1-ol	1	-	Low
ethylbenzene	3.6	79.43	Low
2-methoxypropanol	-0.49	-	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.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

English (GB)

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.
European waste catalog	ue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

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.

Type of packaging	Type of packaging European waste catalogue (EWC)	
Container	15 01 06	mixed packaging
Special precautions	taken when Empty conta residues ma Do not cut, v	al and its container must be disposed of in a safe way. Care should be handling emptied containers that have not been cleaned or rinsed out. ainers or liners may retain some product residues. Vapour from product ay create a highly flammable or explosive atmosphere inside the container. weld or grind used containers unless they have been cleaned thoroughly woid dispersal of spilt material and runoff and contact with soil, waterways, sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group		III	Ш
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

ADR/RID	: None identified.
Tunnel code	: (D/E)
IMDG	: None identified.
ΙΑΤΑ	: None identified.

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onforms to 020/878	Regulation (EC) No.	1907/2006 (REACH), Annex II, as amended by Commissior	n Regulation (EU)

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SECTION 14: Transport information

14.6 Special precautions for user	:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk : Not applicable. according to IMO instruments

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.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable.

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

Other national and international regulations.

: Not applicable. **Explosive precursors**

Ozone depleting substances (1005/2009/EU)

Not listed.

15.2 Chemical safety

: No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

Indicates information that has changed from previously issued version.				
Abbreviations and acronyms	CLP = C 1272/20 DNEL = EUH sta PNEC =	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number		
Full text of abbreviated H statements	: H225 H226 H304 H312 H315 H318 H319 H332 H335 H336 H351 H360D H373	Highly flammable liquid and vapor Flammable liquid and vapour. May be fatal if swallowed and en Harmful in contact with skin. Causes skin irritation. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizzine Suspected of causing cancer. May damage the unborn child. May cause damage to organs th	nters airways. ess.	exposure.
		English (GB)	Saudi Arabia	14/15

English (GB)

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SECTION 16: Other	information	
		quatic life with long lasting effects. posure may cause skin dryness or cracking.
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Chronic 3 Asp. Tox. 1 Carc. 2 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 1B Skin Irrit. 2 STOT RE 2 STOT SE 3	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 ASPIRATION HAZARD - Category 1 CARCINOGENICITY - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY - Category 1B SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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Disclaimer		

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