

Safety Data Sheet according to Regulation (EC) 'No. 2020/878



SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1	Product Identifier	55268B	Revision Date:	19/03/2024	
	Product Name:	Stonchem 700/720 Series Resin	Supersedes Date:	26/01/2024	
	UFI Code:	No Information			
	Contain nanoform:	No			
1.2	Relevant identified uses of the substance or mixture and uses advised against	Base component of 2 components coating - Industrial use. For use by appropriate trained applicators. Please see Technical Data Sheet. Advised against: others that recommended			

1.3 Details of the supplier of the safety data sheet

	••••••	
	Importer:	StonCor Europe 9, Rue du Travail - 1400 Nivelles, Belgium
	Manufacturer:	Stonhard, Division of StonCor Group, Inc. 1000 East Park Avenue Maple Shade, NJ 08052
		+1 856 7797500 (US)
		Regulatory / Technical Information: +32 67493710 Nivelles, Belgium
	Datasheet Produced by:	ehs@stonhard.com
1.4	Emergency telephone number:	+1 703-741-5970 - North America +1 800-424-9300 +55 11 4349 1359 - South America +52 55 8526 4930 - Central America +44 20 3885 0382 - Middle East, Eastern Europe, Western Europe, and Africa +65 3163 8374 - Asia, South Asia, And Oceania

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

Flammable Liquid, category 3	H226
Skin Irritation, category 2	H315
Eye Irritation, category 2	H319
Acute Toxicity, Inhalation, category 4	H332
STOT, single exposure, category 3, RTI	H335
Germ Cell Mutagenicity, category 1B	H340-1B
Carcinogenicity, category 1B	H350-1B
STOT, repeated exposure, category 1	H372
Hazardous to the aquatic environment, Chronic, category 3	H412

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

Styrene, SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA - UNSPECIFIED

HAZARD STATEMENTS

Allergic effects	EUH208	Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, naphthenic acids, cobalt salt. May produce an allergic reaction.
Flammable Liquid, category 3	H226	Flammable liquid and vapour.
Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.
Germ Cell Mutagenicity, category 1B	H340-1B	May cause genetic defects.
Carcinogenicity, category 1B	H350-1B	May cause cancer.
STOT, repeated exposure, category 1	H372	Causes damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment, Chronic, category 3	H412	Harmful to aquatic life with long lasting effects.

Product: 55268B

PRECAUTION PHRASES

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/ face protection.
P284	Wear respiratory protection.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P308+313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P332+313	If skin irritation occurs: Get medical advice/attention.
P403+233	Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

Endocrine disrupting properties - Toxicity							
Name According to EEC CAS-No.							
No Information	No Information						
Endocrine disrupting properties - Ecotoxicity							
Name According to EEC	CAS-No.						
No Information							

SECTION 3: Composition/Information On Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous ingredients

Name According to EEC	<u>%</u>	Classifications	SCL Value:
EINEC No.			ATE Value:
CAS-No.			M-Factor:
REACH Reg No.			

polyester resin	50 - <75		SCL Value:	-
18275200000-5 045			ATE Value:	-
No Information			M-Factor: (acute)	-
			M-Factor: (chronic)	-
Styrene 202-851-5	25 - <50	H226-304-315-319-332-335-372	SCL Value:	-
100-42-5			ATE Value:	-
01-2119457861-32		Acute Tox. 4 Inhalation, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 3, Skin Irrit. 2, STOT RE 1, STOT SE 3 RTI	M-Factor: (acute)	-
			M-Factor: (chronic)	-
naphthenic acids, cobalt salt 263-064-0	0.1 - <1.0	H317-411	SCL Value:	-
61789-51-3			ATE Value:	-
No Information		Aquatic Chronic 2, Skin Sens. 1		
			M-Factor: (acute)	-
			M-Factor: (chronic)	-

Date Printed: 06/04/2024

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA - UNSPECIFIED 265-199-0 64742-95-6 No Information	0.1 - <1.0	H304-332-335-336-340-350 Acute Tox. 4 Inhalation, Asp. Tox. 1, Carc. 1B, Muta. 1B, STOT SE 3 NE, STOT SE 3 RTI	SCL Value: ATE Value: M-Factor: (acute)	-
			M-Factor: (chronic)	-
N-(3-(trimethoxysilyl)propyl) ethylenediamine	0.1 - <1.0	H317-318-332-412	SCL Value:	-
217-164-6 1760-24-3 No Information		Acute Tox. 4 Inhalation, Aquatic Chronic 3, Eye Dam. 1, Skin Sens. 1	ATE Value: M-Factor: (acute)	-
			M-Factor: (chronic)	-

Additional Information:

The text for CLP Hazard Statements shown above (if any) is given in Section 16.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice.

AFTER INHALATION: Move to fresh air. Consult a physician after significant exposure.

AFTER SKIN CONTACT: Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Harmful by inhalation. Irritating to eyes. Harmful in contact with skin and if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if

available, can be found in section 11.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture Flammable.

5.3 Advice for firefighters

Flash back possible over considerable distance. In the event of fire, wear self-contained breathing apparatus. Do not use a solid water stream as it may scatter and spread fire. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

6.1.2 For emergency responders

See Section 7, 8 and 10 for further information.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only explosion-proof equipment. Keep away from sources of ignition - No smoking. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Direct sources of heat.

STORAGE CONDITIONS: Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)

The mixing and application to be in accordance with the technical data sheets.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits

(UK WELS)

Name	CAS-No.		LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3
polyester resin	18275200000)-				
Styrene	100-42-5		100	250	1080	430
naphthenic acids, cobalt salt	61789-51-3					0.1
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA - UNSPECIFIED	64742-95-6					
N-(3-(trimethoxysilyl)propyl)ethylenediar	mine1760-24-3					
Name	<u>CAS-No.</u>	OEL Note				
polyester resin	18275200000-					
Styrene	100-42-5					
naphthenic acids, cobalt salt	61789-51-3					
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA - UNSPECIFIED	64742-95-6					
N-(3-(trimethoxysilyl)propyl) ethylenediamine	1760-24-3					

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

Chemical Name:

EC No.:

CAS-No.:

DNELs - Derived no effect level

		Wa	orkers		Consumers			
Route of	Acute effect	Acute effects	Chronic	Chronic effects	Acute effect	Acute effects	Chronic	Chronic effects
Exposure	local	systemic	effects local	systemic	local	systemic	effects local	systemic
Oral		Not	required					
Inhalation			· ·					
Dermal								

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	
Fresh water sediments	
Marine water	
Marine sediments	
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	
Air	

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: Respirator with filter for organic vapor.

EYE PROTECTION: Safety glasses. Safety goggles.

HAND PROTECTION: Impervious gloves. Long sleeved clothing. Remove and wash contaminated clothing before re-use.

OTHER PROTECTIVE EQUIPMENT: No Information

ENGINEERING CONTROLS: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

SECTION 9: Physical and Chemical Properties

9.1	Information on basic physical and chemical p Colour:	o roperties Clear / Amber
	Physical State	LIQUID
	Odor	Solvent like
	Odor threshold	Not determined
	рН	Non-aqueous
	Melting point / freezing point (°C)	Not determined
	Boiling point or initial boiling point and boiling range (°C)	56 - N.D.
	Flash Point, (°C)	23
	Evaporation rate	Not determined
	Flammability (solid, gas)	Not determined
	Llower and upper explosive limit	Not determined - Not determined
	Vapour Pressure	Not determined
	Relative vapour density	Not determined
	Density and/or relative density	Not determined
	Solubility in / Miscibility with water	NIL
	Partition coefficient: n-octanol/water	Not determined
	Auto-ignition temperature (°C)	Not determined
	Decomposition temperature (°C)	Not determined
	Kinematic viscosity	16600 CPS
	Particle characteristics	Not applicable to liquids
9.2	Other information	

 Other information

 VOC Content g/l:
 57

 Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E.

 Specific Gravity (g/cm3)
 1.563

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under recommended storage conditions. Risk of ignition.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

- **10.4 Conditions to avoid** Direct sources of heat.
- **10.5 Incompatible materials** Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

SECTION 11: Toxicological information

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

Acute Toxicity:	
Oral LD50:	No Information
Inhalation LC50:	No Information
Dermal LD50:	No Information
Irritation:	No information available.
Corrosivity:	Not corrosive.
Sensitization:	No information available.
Repeated dose toxicity:	No information available.
Carcinogenicity:	No information available.
Mutagenicity:	No information available.
Toxicity for reproduction:	No information available.
STOT-single exposure:	No information available.
STOT-repeated exposure:	No information available.
Aspiration hazard:	No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name According to EEC	Oral LD50	Dermal LD50	Vapor LC50	Gas LC50	Dust/Mist LC50
100-42-5	Styrene	2650 mg/kg	>2000 mg/kg	2770 ppm, 4 h	0.000	0.000
61789-51-3	naphthenic acids, cobalt salt	3900 mg/kg, oral, rat	,		0.000	0.000
64742-95-6	SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA - UNSPECIFIED	4610 mg/kg, oral, rat	>3480 mg/kg, rabbit	3670 ppm/4 hours, rat, inhalation	3670 ppm, rat, 4hrs	0.000

Additional Information:

No Information

11.2 Information on other hazards

Endocrine disr	upting prope	rties - T	oxicity
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CAS-No.

Name According to EEC

No Information

SECTION 12: Ecological Information

12.1	Toxic	ity:					
	EC	50 48hr (Daphnia):	No inf	ormation			
	IC5	i0 72hr (Algae):	No inf	ormation			
	LC	50 96hr (fish):	No inf	ormation			
12.2	Persis	stence and degradability:	No inf	ormation			
12.3	Bioac	cumulative potential:	No inf	ormation			
12.4	Mobili	ity in soil:	No inf	ormation			
12.5		ts of PBT and vPvB sment:	The pr	oduct does not me	et the criteria for PBT/VP	vB in accordance with Annex XIII.	
12.6	Endo	crine disrupting properties					
	Ende	ocrine disrupting properties - Ecotoxici	ty				
	Name According to EEC CAS-No.						
	No I	nformation					
12.7	Other	adverse effects:	No inf	ormation			
CAS-	No.	Name According to EEC		<u>EC50 48hr</u>	<u>IC50 72hr</u>	LC50 96hr	
		e			<u></u>		
1827 5045	520000	⁾⁻ polyester resin		No information	No information		
100-4		Styrene		4.7 mg/l	No information	4.02 mg/l	
6178	9-51-3	naphthenic acids, cobalt salt		No information	No information		
64742	2-95-6	SOLVENT NAPHTHA (PETROLEUM) AROM.; LOW BOILING POINT NAPH UNSPECIFIED), LIGHT THA -	>1 - 10 mg/l	>1 - 10 mg/l	>10-100 mg/l	
1760-	-24-3	N-(3-(trimethoxysilyl)propyl)ethylened	iamine	No information	No information		

SECTION 13: Disposal Considerations

13.1 WASTE TREATMENT METHODS: Do not burn, or use a cutting torch on, the empty drum. If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

European Waste Code:	080111
Packaging Waste Code:	150110

SECTION 14: Transport Information

		ADR/RID	ADN	IMDG	IATA
14.1	UN-number or ID number	UN1866	UN1866	UN1866	UN1866
14.2	UN proper shipping name	Resin Solution	Resin Solution	Resin Solution	Resin Solution
14.3	Transport Hazard Class(es)	3	3	3	3
14.4	Packing Group	Ш	111	111	III
14.5	Enviromental Hazards	No Information	No Information	No Information	No Information

14.6 Special precautions for user EmS-No.: Not applicable

F-E, <u>S-D</u>

14.7 Maritime transport in bulk according to IMO Not applicable intruments

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation for the substance or mixture: National Regulations:

Denmark Product Registration Number:	Not available
Danish MAL Code:	5 - 6
Danish MAL Code - Mixture:	Not available

Sweden Product Registration Number:	Not available
Norway Product Registration Number:	Not available
Germany WGK Class:	Not available
Covered by Directive 2012/18/EC (Seveso III):	Not applicable
Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006:	Not applicable

Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:

CAS-No. Name According to EEC

Not Applicable

SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):

CAS-No. Name According to EEC

Not Applicable

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

H340	May cause genetic defects.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Reasons for revision

Composition Information Changed Substance and/or Product Properties Changed in Section(s): 11 - Toxicological Information Revision Statement(s) Changed

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

Acronym & Abbreviation Key:

ECEuropean CommissionEUEuropean UnionUSUnited StatesCASChemical Abstract ServiceEINECSEuropean Inventory of Existing Chemical SubtancesREACHRegistration, Evaluation, Authorization of Chemicals RegulationGHSGlobally Harmonized System of Classification and Labeling of ChemicalsLTELLong term exposure limitSTELShort term exposure limitOELOccupational exposure limitppmParts per millionmg/m3Milligrams per cubic meterTLVThreshold Limit ValueACGHAmerican Conference of Governmental Industrial HygienistsOSAOccupational Safety & Health AdministrationPELPermissible Exposure LimitsVOCVolatile organic compoundsg/lGrams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal dose at 50%EC50Half maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods CodeIATAInternational Air Transport Association	CLP	Classification, Labeling & Packaging Regulation
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EINECS European Inventory of Existing Chemical Substances REACH Registration, Evaluation, Authorization of Chemicals Regulation GHS Globally Harmonized System of Classification and Labeling of Chemicals LTEL Long term exposure limit STEL Short term exposure limit OEL Occupational exposure limit ppm Parts per million mg/m3 Milligrams per cubic meter TLV Threshold Limit Value ACGIH American Conference of Governmental Industrial Hygienists OSHA Occupational Safety & Health Administration PEL Permissible Exposure Limits VOC Volatile organic compounds g/l Grams per liter mg/kg Milligrams per kilogram N/A Not applicable LC50 Lethal concentration at 50% EC50 Half maximal effective concentration PET Persistent bioaccumulative toxic chemical vPvB Very persistent and very bioaccumulative EEC European Economic Community ADR International Transport of Dangerous Goods by Road RID International Maritime Dangerous Goods Code	US	United States
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ppmParts per millionmg/m3Milligrams per cubic meterTLVThreshold Limit ValueACGIHAmerican Conference of Governmental Industrial HygienistsOSHAOccupational Safety & Health AdministrationPELPermissible Exposure LimitsVOCVolatile organic compoundsg/lGrams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal dose at 50%LC50Lath maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadINDGInternational Maritime Dangerous Goods Code	STEL	Short term exposure limit
mg/m3Milligrams per cubic meterTLVThreshold Limit ValueACGIHAmerican Conference of Governmental Industrial HygienistsOSHAOccupational Safety & Health AdministrationPELPermissible Exposure LimitsVOCVolatile organic compoundsg/lGrams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal dose at 50%LC50Lethal concentration at 50%EC50Half maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadINDGInternational Maritime Dangerous Goods Code	OEL	Occupational exposure limit
TLVThreshold Limit ValueACGIHAmerican Conference of Governmental Industrial HygienistsOSHAOccupational Safety & Health AdministrationPELPermissible Exposure LimitsVOCVolatile organic compoundsg/1Grams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal dose at 50%LC50Lethal concentration at 50%EC50Half maximal effective concentrationPBTPersistent bioaccumulative toxic chemicalVPVBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Maritime Dangerous Goods Code	ppm	Parts per million
ACGIHAmerican Conference of Governmental Industrial HygienistsOSHAOccupational Safety & Health AdministrationPELPermissible Exposure LimitsVOCVolatile organic compoundsg/1Grams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal dose at 50%LC50Lethal concentration at 50%EC50Half maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Maritime Dangerous Goods Code	mg/m3	Milligrams per cubic meter
OSHAOccupational Safety & Health AdministrationPELPermissible Exposure LimitsVOCVolatile organic compoundsg/lGrams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal dose at 50%LC50Lethal concentration at 50%EC50Half maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDUnited NationsIMDGInternational Maritime Dangerous Goods Code	TLV	Threshold Limit Value
PELPermissible Exposure LimitsVOCVolatile organic compoundsg/1Grams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal dose at 50%LC50Lethal concentration at 50%EC50Half maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDUnited NationsIMDGInternational Maritime Dangerous Goods Code	ACGIH	American Conference of Governmental Industrial Hygienists
VOCVolatile organic compoundsg/lGrams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal dose at 50%LC50Lethal concentration at 50%EC50Half maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDUnited NationsIMDGInternational Maritime Dangerous Goods Code	OSHA	Occupational Safety & Health Administration
g/lGrams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal dose at 50%LC50Lethal concentration at 50%EC50Half maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods Code	PEL	Permissible Exposure Limits
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LD50 Lethal dose at 50% LC50 Lethal concentration at 50% EC50 Half maximal effective concentration IC50 Half maximal inhibitory concentration PBT Persistent bioaccumulative toxic chemical vPvB Very persistent and very bioaccumulative EEC European Economic Community ADR International Transport of Dangerous Goods by Road RID International Transport of Dangerous Goods by Rail UN United Nations IMDG International Maritime Dangerous Goods Code	mg/kg	Milligrams per kilogram
LC50Lethal concentration at 50%EC50Half maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods Code	N/A	Not applicable
EC50Half maximal effective concentrationIC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods Code	LD50	Lethal dose at 50%
IC50Half maximal inhibitory concentrationPBTPersistent bioaccumulative toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods Code	LC50	Lethal concentration at 50%
PBTPersistent bioaccumulative toxic chemicalVPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods Code	EC50	Half maximal effective concentration
vPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods Code	IC50	Half maximal inhibitory concentration
EECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods Code	PBT	Persistent bioaccumulative toxic chemical
ADRInternational Transport of Dangerous Goods by RoadRIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods Code	vPvB	Very persistent and very bioaccumulative
RIDInternational Transport of Dangerous Goods by RailUNUnited NationsIMDGInternational Maritime Dangerous Goods Code	EEC	European Economic Community
UN United Nations IMDG International Maritime Dangerous Goods Code	ADR	International Transport of Dangerous Goods by Road
IMDG International Maritime Dangerous Goods Code	RID	International Transport of Dangerous Goods by Rail
	UN	United Nations
IATA International Air Transport Association	IMDG	International Maritime Dangerous Goods Code
	IATA	International Air Transport Association

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MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as
	modified by the Protocol of 1978
IBC	International Bulk Container
RTI	Respiratory Tract Irritation
NE	Narcotic Effects
IMO	International Maritime Organization
Note P:	The classification as a carcinogen or mutagen need not apply; the substance
	contains less than 0,1 % w/w benzene
Note 10:	The classification as a carcinogen by inhalation applies only to mixtures in
	powder form containing 1 % or more of titanium dioxide which is in the form of
	or incorporated in particles with aerodynamic diameter \leq 10 µm.

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.