

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 305DA1NL Revision Date: 13/05/2025

Product Name: POLYMER ALLOY 2000 LE Supercedes Date: New SDS

PART A

UFI Code: No Information

Contain nanoform: No

1.2 Relevant identified uses of the substance or mixture and uses

advised against

Component of multicomponent industrial coatings - Industrial use.

1.3 Details of the supplier of the safety data sheet

Importer: Stonhard Europe SRL

9 Rue du Travail, 1400 Nivelles, Belgium

Manufacturer: Dudick, a Division of Carboline

2150 Schuetz road St. Louis, Mo. 63146

Regulatory / Technical Information:

330-562-1970

Datasheet Produced by: Schlereth, Ken - ehs@stoncor.com

1.4 Emergency telephone number: CHEMTREC +1 703 5273887 (Outside US)

(01) 809 2166 (24/7)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

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

EU Other EUH205

EU Other EUH211

Skin Irrit. 2	H315
Skin Sens. 1	H317
Eye Irrit. 2	H319
Aquatic Chronic 2	H411

2.2 Label elements

Symbol(s) of Product





Signal Word

Warning

Named Chemicals on Label

EPOXY PHENOL NOVOLAC RESIN, BISPHENOL A EPOXY RESIN, ALKYL GLYCIDYL ETHER

HAZARD STATEMENTS

EU Other	EUH205	Contains epoxy constituents. May produce an allergic reaction.
EU Other	EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Eye Irrit. 2	H319	Causes serious eye irritation.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
PRECAUTION PHRASES		
	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/ face protection.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	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.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.
	P391	Collect spillage.

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

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

Endocrine disrupting properties - Ecotoxicity

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

SECTION 3: Composition/Information On Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous ingredients

Name According to EEC EINECS No. CAS-No. REACH Reg No. Index NUmber	<u>%</u>	Classifications	SCL Value ATE Value M-Factor	
BISPHENOL A EPOXY RESIN 500-033-5 25068-38-6	25 - <50	H315-317-319-411 Aquatic Chronic 2, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1	SCL:	-
01-2119456619-26			ATE:	-
			M-Factor: (acute)	
			M-Factor: (chronic)	
TITANIUM DIOXIDE 236-675-5	10 - <25		SCL:	-
13463-67-7				
01-2119489379-17			ATE:	-
			M-Factor: (acute)	
			M-Factor: (chronic)	

ALKYL GLYCIDYL ETHER 271-846-8	2.5 - <10	H315-317-335 Skin Irrit. 2, Skin Sens. 1, STOT SE 3 RTI	SCL:	-
68609-97-2		KII		
-			ATE:	-
			M-Factor: (acute)	
			M-Factor:	
			(chronic)	
TALC 238-877-9	2.5 - <10		SCL:	-
14807-96-6				
-			ATE:	-
			M-Factor: (acute)	
			M-Factor:	
			(chronic)	
EPOXY PHENOL NOVOLAC RESIN 701-263-0	1.0 - <2.5	H315-317-411 Aquatic Chronic 2, Skin Irrit. 2, Skin Sens. 1	SCL:	-
9003-36-5				
01-2119454392-40			ATE:	-
			M-Factor: (acute)	
			M-Factor: (chronic)	
			·	

CARBON BLACK 215-609-9	0.1 - <1.0	SCL:	-
1333-86-4			
-		ATE:	-
		M-Factor: (acute)	
		M-Factor: (chronic)	

Remarks: CAS No. 25068-38-6 identified as CAS No. 1675-54-3, EC No. 216-823-5 under REACH Registration CAS No 13463-67-7: Note 10

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.

Show this safety data sheet to the doctor in attendance.

AFTER INHALATION: Give oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

AFTER SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

AFTER INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control centre or doctor immediately.

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

Irritating to eyes and skin. May be harmful if swallowed. Toxic to aquatic organisms.

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.

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

SECTION 5: Firefighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Vapors may spread long distances and ignite.

FOR SAFETY REASONS NOT TO BE USED: Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

SPECIAL FIREFIGHTING PROCEDURES: In the event of fire, wear self-contained breathing apparatus. Evacuate personnel to safe areas. Use NIOSH approved respiratory protection. Use water spray to cool unopened containers.

SPECIAL FIREFIGHTING PROTECTION EQUIPMENT: No Information

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. For personal protection see section 8.

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

No Information

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Keep containers dry and tightly closed to avoid moisture absorption and contamination. Prepare the working solution as given on the label(s) and/or the user instructions. Do not breathe vapours or spray mist. Ensure all equipment is electrically grounded before beginning transfer operations. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation/personal protection. Wash thoroughly after handling.

Handle in accordance with good industrial hygiene and safety practice. 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: Heat, flames and sparks.

STORAGE CONDITIONS: Keep container closed when not in use. 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

(IR)

<u>Name</u>	CAS-No.	LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3
BISPHENOL A EPOXY RESIN	25068-38-6				
TITANIUM DIOXIDE	13463-67-7				10 4
ALKYL GLYCIDYL ETHER	68609-97-2				

TALC 14807-96-6 10 0.8

EPOXY PHENOL NOVOLAC RESIN 9003-36-5

CARBON BLACK 1333-86-4 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:

BISPHENOL A EPOXY RESIN

EC No.: CAS-No.: 500-033-5 25068-38-6

DNELs - Derived no effect level

		Wo	rkers		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				0.75 mg/kg		0.75 mg/kg bw/
Inhalation		12.25 mg/m3		12.25 mg/m3		bw/day		day
Dermal		8.33 mg/kg		8.33 mg/kg bw/		3.571 mg/kg		3.571 mg/kg bw/
	_	bw/day		day		bw/day		day

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.006 mg/l
Fresh water sediments	0.996 mg/L
Marine water	0.0006 mg/l
Marine sediments	0.0996 mg/kg
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	0.196 mg/kg
Air	

Chemical Name:

TITANIUM DIOXIDE

EC No.: CAS-No.: 236-675-5 13463-67-7

DNELs - Derived no effect level

		Wo	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						5 mg/m ³	700 mg/kg/ bw/
Inhalation			5 mg/m³		_			day
Dermal				_				

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.127 mg/L
Fresh water sediments	1000 mg/kg dw
Marine water	1 mg/l
Marine sediments	100 mg/kg dw
Food chain	1667 mg/kg (oral)
Microorganisms in sewage treatment	100 mg/kg
soil (agricultural)	100 mg/kg dw
Air	

Chemical Name:

ALKYL GLYCIDYL ETHER

EC No.: CAS-No.: 271-846-8 68609-97-2

DNELs - Derived no effect level

		Wo	rkers		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	0.0072 mg/l
Fresh water sediments	66.77 mg/kg dw
Marine water	0.00072 mg/l
Marine sediments	6.677 mg/kg dw
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	
Air	

Chemical Name:

EPOXY PHENOL NOVOLAC RESIN

EC No.: CAS-No.: 701-263-0 9003-36-5

DNELs - Derived no effect level

		Workers				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						6.25 mg.kg	
Inhalation		29.39 mg/m3						8.7 mg/m3	
Dermal	0.0083 mg/			104.15 mg/kg				62.5 mg/kg	
	cm2								

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.003 mg/l
Fresh water sediments	0.,294 mg/kg
Marine water	0.0003 mg/l
Marine sediments	0.0294 mg/kg
Food chain	
Microorganisms in sewage treatment	10 mg/l
soil (agricultural)	0.237 mg/kg
Air	

Chemical Name:

CARBON BLACK

EC No.: CAS-No.: 215-609-9 1333-86-4

DNELs - Derived no effect level

		Workers				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						60 μg/m³	
Inhalation	1 mg/m³			1 mg/m³					
Dermal		_			_				

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	50 mg/L
Fresh water sediments	
Marine water	
Marine sediments	
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	
Air	

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Use only with ventilation to keep levels below exposure guidelines reported in this document. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use State or federally approved supplied air respirator. For silica containing coatings in a liquid state, and/or if no exposure limits are established above, air-supplied respirators are generally not required.

EYE PROTECTION: Ensure that eyewash stations and safety showers are close to the workstation location. Safety glasses with side-shields.

HAND PROTECTION: Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Impervious gloves. Request information on glove permeation properties from the glove supplier.

BODY PROTECTION: Lightweight protective clothing
OTHER PROTECTIVE EQUIPMENT: No Information

ENGINEERING CONTROLS: Avoid contact with skin, eyes and clothing. Use only in an area equipped with explosion proof exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Colour Grey, viscous liquid

Physical State Liquid
Odor Epoxy

Odor threshold

PH

Not Determined

Not Determined

Melting point / freezing point (°C)

Not Determined

Boiling point or initial boiling point and

boiling range (°C)

242 F (117 C) - 500 F (260 C)

Flash Point, (°C) 302°F (150°C)

Evaporation rate

Slower Than Ether

Not Determined

Flammability (solid, gas) Not Determined

Lower and upper explosive limit 0.6 - 21.0

Vapour Pressure Not Determined Relative vapour density Heavier than Air Density and/or relative density Not Determined Solubility in / Miscibility with water Not Determined Partition coefficient: n-octanol/water Not Determined Auto-ignition temperature (°C) Not Determined Decomposition temperature (°C)

Kinematic viscosity Not Determined

Particle characteristics Not applicable to liquids

9.2 Other information

> VOC Content g/l: 2

Specific Gravity (g/cm3) 1.58

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Heat, flames and sparks.

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 defined in Regulation (EC) No 1272/2008

Acute Toxicity:

Oral LD50: No information on the product itself as the product is not tested Inhalation LC50: No information on the product itself as the product is not tested Dermal LD50: No information on the product itself as the product is not tested

Eye Irritation, category 2, Skin Irritation, category 2 Irritation:

Corrosivity: Unknown

Sensitization: Skin Sensitizer, category 1

Repeated dose toxicity: Unknown

Carcinogenicity: Unknown

Mutagenicity: Unknown

Toxicity for reproduction: Unknown

STOT-single exposure: Unknown

STOT-repeated exposure: Unknown

Aspiration hazard: Unknown

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
25068-38-6	BISPHENOL A EPOXY RESIN	11400 mg/kg, rat, oral	23000 mg/kg, dermal, rabbit	No Information	No Information	No Information
13463-67-7	TITANIUM DIOXIDE	25000 mg/kg, oral (rat)	No Information	No Information	No Information	No Information
68609-97-2	ALKYL GLYCIDYL ETHER	17100 mg/kg, oral, rat	No Information	No Information	No Information	No Information
14807-96-6	TALC	No Information	No Information	No Information	No Information	No Information
9003-36-5	EPOXY PHENOL NOVOLAC RESIN	>5000 mg/ kg, oral, rat	No Information	No Information	No Information	No Information
1333-86-4	CARBON BLACK	8000 mg/kg oral, rat	No Information	No Information	No Information	No Information

Additional Information:

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group 1 carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. Constituents may also include abestiform or non-asbestiform tremolite or other silicates as impurities, and above dei minimus exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

11.2 Information on other hazards

Endocrine disrupting properties - Toxicity

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

SECTION 12: Ecological Information

12.1 Toxicity:

EC50 48hr (Daphnia):

IC50 72hr (Algae):

No information available.

No information available.

No information available.

12.2 Persistence and degradability: No information available.

12.3 Bioaccumulative potential: No information available.

12.4 Mobility in soil:No information available.

12.5 Results of PBT and vPvB The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

assessment:

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Ecotoxicity

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

12.7 Other adverse effects:No information available.

CAS-No.	Name According to EEC	EC50 48hr	IC50 72hr	<u>LC50 96hr</u>
25068-38-6	BISPHENOL A EPOXY RESIN	2.1 mg/l (daphnia)	11 mg/l (algae)	1.3 mg/l (fish)
13463-67-7	TITANIUM DIOXIDE	No information	No information	No information
68609-97-2	ALKYL GLYCIDYL ETHER	7.2 mg/L (Daphna)	844 mg/l (Algae)	1.8 g/L (Fish)
14807-96-6	TALC	No information	No information	No information
9003-36-5	EPOXY PHENOL NOVOLAC RESIN	1.6 mg/l (Daphnia Magna)	1.8 mg/l (Green Algae)	0.55 mg/l (Rainbow Trout)
1333-86-4	CARBON BLACK	No information	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. Dispose of in accordance 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: 15 01 10*

SECTION 14: Transport Information

		ADR/RID	ADN	IMDG	IATA
14.1	UN-number or ID number	UN3082	UN3082	UN3082	UN3082
14.2	UN proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S.,(Epoxy Resin)	Environmentally Hazardous Substance, Liquid, N.O.S.,(Epoxy Resin)	Environmentally Hazardous Substance, Liquid, N.O.S.,(Epoxy Resin)	Environmentally Hazardous Substance, Liquid, N.O.S.,(Epoxy Resin)
14.3	Transport Hazard Class(es)	9	9	9	9
14.4	Packing Group	III	III	III	III
14.5	Enviromental Hazards	Marine pollutant: Yes (Epoxy Resin)	Marine pollutant: Yes (Epoxy Resin)	Marine pollutant: Yes (Epoxy Resin)	Marine pollutant: Yes (Epoxy Resin)

14.6 Special precautions for user No information available.

EmS-No.: F-A,S-F

14.7 Maritime transport in bulk according to

IMO instruments

No information available.

SECTION 15: Regulatory Information

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

National Regulations:

Denmark Product Registration Number:No information available.

Danish MAL Code: No information available.

Danish MAL Code - Mixture: Not available

Sweden Product Registration Number: No information available.

Norway Product Registration Number: No information available.

WGK Class: No Information

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

Name According to EEC CAS-No.

Not Applicable

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

Name According to EEC CAS-No.

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:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

Reasons for revision

No Information

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) 1907/2006 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

CLP Classification, Labeling & Packaging Regulation

EC European Commission European Union ΕU US United States

CAS Chemical Abstract Service

European Inventory of Existing Chemical Substances EINECS

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

N/A Not applicable 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
IATA International Air Transport Association

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 μ m.

For further information, please contact: Regulatory 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.