

SECTION 1: Identification

# **Safety Data Sheet**

acc. to 29 CFR 1910.1200 App D

# **Ceramic Coating Plus**

Date of compilation: 12/07/2022

Version number: 1.0

1.1	Product identifier	
	Product name	Ceramic Coating Plus
	Product number	940
	Trade name	AH-885
1.2	Relevant identified uses of the	substance or mixture and uses advised against
	Relevant identified uses	consumer uses
1.3	Details of the supplier of the sa	fety data sheet
	3D International LLC	
	20724 Centre Pointe Pkwy Unit 1	
	Santa Clarita, CA 91350	
	888-999-7627	

# 1.4 Emergency telephone number

CHEMTREC 1-800-424-9300 (US and Canada)

# SECTION 2: Hazard(s) identification

# 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section Hazard class		Category	Hazard class and cat- egory	Hazard state- ment
A.2	skin corrosion/irritation		Skin Irrit. 2	H315
A.3	A.3 serious eye damage/eye irritation		Eye Dam. 1	H318
A.4S	4S skin sensitization		Skin Sens. 1	H317
A.7	A.7 reproductive toxicity		Repr. 2	H361f
B.6 flammable liquid		2	Flam. Liq. 2	H225

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

# 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word **DANGER**
- Pictograms

GHS02, GHS05, GHS07, GHS08



# - Hazard statements

H225	Highly flammable liquid and vapor.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361f	Suspected of damaging fertility.



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<ul> <li>Precautionary state</li> </ul>	ements	
P201	Obtain special instructions before us	e.
P210	Keep away from heat/sparks/open fla	ames/hot surfaces. No smoking.
P233	Keep container tightly closed.	
P240	Ground/bond container and receivin	g equipment.
P241	Use explosion-proof electrical/ventil	ating/lighting equipment.
P242	Use only non-sparking tools.	
P243	Take precautionary measures agains	st static discharge.
P261	Avoid breathing dust/fume/gas/mist/v	apors/spray.
P272	Contaminated work clothing must no	t be allowed out of the workplace.
P280	Wear protective gloves/eye protection	n/face protection.
P302+P352	If on skin: Wash with plenty of water.	
P303+P361+P353	If on skin (or hair): Take off immedia shower.	tely all contaminated clothing. Rinse skin with water/
P305+P351+P338	If in eyes: Rinse cautiously with wate and easy to do. Continue rinsing.	r for several minutes. Remove contact lenses, if present
P310	Immediately call a poison center/doc	tor.
P321	Specific treatment (see on this label).	
P362	Take off contaminated clothing and v	wash it before reuse.
P363	Wash contaminated clothing before	reuse.
P370+P378	In case of fire: Use sand, carbon dio	xide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Kee	≱p cool.
P405	Store locked up.	
P501	Dispose of contents/container to ind	ustrial combustion plant.
- Hazardous ingredie	ents for labelling S	ilicon Based Carrier Solvent, Ambient Cure Re-

fractory Resin, Curative

# 2.3 Other hazards

Hazards not otherwise classified

May be harmful if swallowed (GHS category 5: acutely toxic - oral). May be harmful in contact with skin (GHS category 5: acutely toxic - dermal). Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).

# Results of PBT and vPvB assessment

Containing a PBT-/vPvB-substance in a concentration of  $\ge 0,1\%$ .

# Endocrine disrupting properties

Contains an endocrine disruptor (EDC) in a concentration of  $\ge 0,1\%$ .

# SECTION 3: Composition/information on ingredients

# 3.1 Substances

Not relevant (mixture)

# 3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%
Silicon Based Carrier Solvent	CAS No Trade Secret	25 - < 50
Wetting Agent	CAS No Trade Secret	25 - < 50
Lubricant	CAS No Trade Secret	5-<10



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Name of substance	Identifier	Wt%
Capping Agent	CAS No Trade Secret	1-<5
Ambient Cure Refractory Resin	CAS No Trade Secret	1-<5
Curative	CAS No Trade Secret	1-<5

For full text of abbreviations: see SECTION 16.

**Section 4: First-aid measures** 

# 4.1 Description of first-aid measures

### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

### Following skin contact

Wash with plenty of soap and water.

### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

# 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

# 4.3 Indication of any immediate medical attention and special treatment needed

## None

Section 5: Fire-fighting measures

# 5.1 Extinguishing media

### Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mix-tures.

### Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)



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#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

# Section 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

# For non-emergency personnel

Remove persons to safety.

# For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

#### 6.2 **Environmental precautions**

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

#### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

# Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

### Appropriate containment techniques

Use of adsorbent materials.

# Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 **Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

# Section 7: Handling and storage

#### 7.1 Precautions for safe handling

# Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapors into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

# - Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

# Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding stuffs.



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# 7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

# - Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

# 7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

# 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits) this information is not available

# 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

# Eye/face protection

Wear eye/face protection.

# Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

# - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

# Respiratory protection

In case of inadequate ventilation wear respiratory protection.

# Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.



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SECTION 9: Physical and chemical properties

# 9.1 Information on basic physical and chemical properties

# Appearance

Physical state	Liquid
Color	Characteristic
Particle	Not relevant (liquid)
Odor	Characteristic
Other safety parameters	
pH (value)	Not determined
Melting point/freezing point	Not determined
Initial boiling point and boiling range	100.5 °C at 1,013 hPa
Flash point	-6 °C
Evaporation rate	Not determined
Flammability (solid, gas)	Not relevant (fluid)
Vapor pressure	5,500 Pa at 25 °C
Density	0.88 <sup>g</sup> / <sub>cm<sup>3</sup></sub>
Vapor density	This information is not available
Solubility(ies)	Not determined

Partition coefficient

- n-octanol/water (log KOW)	This information is not available
Auto-ignition temperature	270 °C
Viscosity	Not determined
Explosive properties	None
Oxidizing properties	None

# 9.2 **Other information**

Temperature class (USA, acc. to NEC 500)	T2B (maximum permissible surface temperature on the equip-
	ment: 260°C)



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# **SECTION 10:** Stability and reactivity

# 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

# **10.2 Chemical stability**

See below "Conditions to avoid".

# **10.3 Possibility of hazardous reactions**

No known hazardous reactions.

# **10.4 Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

# 10.5 Incompatible materials

Oxidizers

# **10.6 Hazardous decomposition products**

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

# SECTION 11: Toxicological information

# 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

# Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

# Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

# Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed or in contact with skin.

Acute toxicity estimate (ATE) of component	ents of the mixtu	ire

Name of substance	CAS No	Exposure route	ATE
Ambient Cure Refractory Resin	Trade Secret	oral	>300 <sup>mg</sup> / <sub>kg</sub>
Capping Agent	Trade Secret	oral	851 <sup>mg</sup> / <sub>kg</sub>
Capping Agent	Trade Secret	dermal	547 <sup>mg</sup> / <sub>kg</sub>

# Skin corrosion/irritation

Causes skin irritation.

# Serious eye damage/eye irritation

Causes serious eye damage.



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Respiratory or skin sensitization

May cause an allergic skin reaction.

# Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

# Carcinogenicity

Shall not be classified as carcinogenic.

# Reproductive toxicity

Suspected of damaging fertility.

# Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

# Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

# Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

# SECTION 12: Ecological information

# 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture						
Name of substance	CAS No	Value	Species	Exposure time		
Silicon Based Carrier Solvent	Trade Secret	LC50	>22 <sup>µg</sup> / <sub>I</sub> fish		96 h	
Silicon Based Carrier Solvent	Trade Secret	EC50	>15 <sup>µg</sup> / <sub>l</sub>	aquatic invertebrates	48 h	
Silicon Based Carrier Solvent	Trade Secret	ErC50	>22 <sup>µg</sup> / <sub>l</sub>	algae	96 h	
Wetting Agent	Trade Secret	LC50	0.46 <sup>mg</sup> /l	fish	96 h	
Ambient Cure Refract- ory Resin	Trade Secret	Secret LC50 57.1 <sup>mg</sup> / <sub>l</sub>		zebra fish	96 h	
Curative	Trade Secret	LC50	57 <sup>mg</sup> /ı	fish	96 h	
Curative	Trade Secret	EC50	>100 <sup>mg</sup> /l	aquatic invertebrates	48 h	
Curative	Trade Secret	ErC50	31 <sup>mg</sup> /i	algae	72 h	

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Silicon Based Carrier Solvent	Trade Secret	LC50	10 <sup>µg</sup> /ı	fish	14 d
Silicon Based Carrier Solvent	Trade Secret	EC50	>15 <sup>µg</sup> / <sub>l</sub>	aquatic invertebrates	21 d
Wetting Agent	Trade Secret	EC50	0.3 <sup>mg</sup> /l	aquatic invertebrates	21 d



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# Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Wetting Agent	Trade Secret	LC50	0.45 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	21 d
Wetting Agent	Trade Secret	ErC50	>0.55 <sup>mg</sup> / <sub>l</sub>	algae	95 h
Curative	Trade Secret	EC50	1,000 <sup>mg</sup> /l	microorganisms	3 h

# 12.2 Persistence and degradability

Data are not available.

# 12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.

# 12.4 Mobility in soil

Data are not available.

# 12.5 Results of PBT and vPvB assessment

The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

# 12.6 Endocrine disrupting properties

Contains an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .

# 12.7 Other adverse effects

Data are not available.

# SECTION 13: Disposal considerations

# 13.1 Waste treatment methods

## Waste treatment-relevant information

Solvent reclamation/regeneration.

### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

### Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

# Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

# **SECTION 14: Transport information**

# 14.1 UN number

DOT	UN 1993
DOT	UN 1993
IMDG-Code	UN 1993
ICAO-TI	UN 1993
UN proper shipping name	
DOT	Flammable liquid, n.o.s.

14.2



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	IMDG-Code	FLAMMABLE LIQUID, N.O.S.
	ICAO-TI	Flammable liquid, n.o.s.
	Technical name (hazardous ingredients)	Wetting Agent, Capping Agent
14.3	Transport hazard class(es)	
	DOT	3
	IMDG-Code	3
	ICAO-TI	3
14.4	Packing group	
	DOT	II
	IMDG-Code	II
	ICAO-TI	II
14.5	Environmental hazards	hazardous to the aquatic environment
	Environmentally hazardous substance (aquatic environment)	Silicon Based Carrier Solvent
14.6	Special precautions for user There is no additional information.	
14.7	Transport in bulk according to IMO instruments	6
	The cargo is not intended to be carried in bulk.	
	Information for each of the UN Model Regulation	
	Transport of dangerous goods by road or rail (4	-
	Particulars in the shipper's declaration	UN1993, Flammable liquid, n.o.s., 3, II, environ- mentally hazardous
	Danger label(s)	3, fish and tree
	Environmental hazards	<b>Yes</b> (hazardous to the aquatic environment)
	Special provisions (SP)	IB2, T7, TP1, TP8, TP28
	ERG No	128
	International Maritime Dangerous Goods Code	(IMDG) - Additional information
	Marine pollutant	<b>Yes</b> (hazardous to the aquatic environment) (Silicon Based Carrier Solvent)
	Danger label(s)	3, fish and tree
	Special provisions (SP)	274
	Excepted quantities (EQ)	E2
	Limited quantities (LQ)	1 L
	EmS	F-E, <u>S-E</u>
	Stowage category	В



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# International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards	<b>Yes</b> (hazardous to the aquatic environment)
Danger label(s)	3
Special provisions (SP)	A3
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L

SECTION 15: Regulatory information

# 15.1 Safety, health and environmental regulations specific for the product in question National regulations (United States)

Toxic Substance Control Act (TSCA)All ingredients are listed as "ACTIVE"Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

none of the ingredients are listed

# Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4) none of the ingredients are listed

# **Clean Air Act**

none of the ingredients are listed

# **Right to Know Hazardous Substance List**

- Toxic or Hazardous Substance List (MA-TURA)

none of the ingredients are listed

# - Hazardous Substance List (NJ-RTK)

Name of substance	Remarks	Classifications
Capping Agent		CO F3 R1

Legend

CO Corrosive F3 Flammable - Third Degree

R1 Reactive - First Degree

R1 Reactive - First Degree

# California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

# Industry or sector specific available guidance(s)

Hazardous Materials Identification System. American Coatings Association.



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# NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

# **National inventories**

Country	Inventory	Status
AU	AIIC	not all ingredients are listed
CA	DSL	not all ingredients are listed
CA	NDSL	not all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	not all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	all ingredients are listed
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	all ingredients are listed

### Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
ISHA-ENCS	Inventory of Existing and New Chemical Substances (ISHA-ENCS)
KECI	Korea Existing Chemicals Inventory
NDSL	Non-domestic Substances List (NDSL)
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

# 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.



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# SECTION 16: Other information, including date of preparation or last revision

# Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DGR	Dangerous Goods Regulations (see IATA/DGR)
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
ERG No	Emergency Response Guidebook - Number
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na- tions
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
NLP	No-Longer Polymer
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
vPvB	Very Persistent and very Bioaccumulative

# Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

# **Classification procedure**

Physical and chemical properties: The classification is based on tested mixture. Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).



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# List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H225	Highly flammable liquid and vapor.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361f	Suspected of damaging fertility.

# **Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.