

## Hydro Products Vanguard Sani-Solution Concentrate, all fragrances

Version number: GHS 2.0  
 Replaces version of: 2018-03-07 (GHS 1)

revision: 2018-03-07

### SECTION 1: Identification

**1.1 Product identifier**

Trade name **Hydro Products Vanguard Sani-Solution Concentrate, all fragrances**

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

Relevant identified uses sanitary wastewater cleaning concentrate

**1.3 Details of the supplier of the safety data sheet**

B&B Blending, LLC  
 10963 Leroy Drive  
 Northglenn  
 CO 80233 United States

Telephone: 1.800.875.6320, 1.303.289.6320  
 Telefax e-mail: info@bbblending.com  
 Website: bbblending.com

Competent person responsible for the SDS

Robert Blahnik  
 bblahnik@bbblending.com

e-mail (competent person)

**1.4 Emergency telephone number**

Emergency information service **USA 1.800.535.5053, INTL 1.352.323.3500**  
24 hour emergency telephone number.

### SECTION 2: Hazard(s) identification

**2.1 Classification of the substance or mixture**

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

Annex	Hazard class and category	Hazard statement code(s)
A.11	acute toxicity (inhal.)	Cat. 3 (Acute Tox. 3) H331
A.2	skin corrosion/irritation	Cat. 2 (Skin Irrit. 2) H315
A.3	serious eye damage/eye irritation	Cat. 2 (Eye Irrit. 2) H319

**Remarks**

For full text of H-phrases: see SECTION 16.

**Hazards not otherwise classified**

Harmful to aquatic life (GHS category 3: aquatic toxicity - acute).

**2.2 Label elements**

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

**Signal word** **danger**

**Pictograms**

GHS06, GHS07



**Hazard statements**

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H331 Toxic if inhaled.



# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

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### Precautionary statements

#### Precautionary statements - prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary statements - response

If on skin: Wash with plenty of water.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a poison center/doctor.  
Specific treatment (see on this label).  
Take off contaminated clothing and wash it before reuse.

#### Precautionary statements - storage

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

#### Hazardous ingredients for labelling

alkyl dimethyl ethylbenzyl ammonium chloride, quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides, ethanol

### 2.3 Other hazards

There is no additional information.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

Name of substance	Identifier	Wt%	Hazard class and category		Hazard statement	Notes
quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	CAS No 68391-01-5  EC No 264-151-6	1 - < 5	A.10 A.1D A.11 A.2 A.3	Acute Tox. 4 Acute Tox. 3 Acute Tox. 1 Skin Corr. 1B Eye Dam. 1	H302 H311 H330 H314 H318	
alkyl dimethyl ethylbenzyl ammonium chloride	CAS No 85409-23-0 68956-79-6  EC No 287-090-7	1 - < 5	A.10 A.1D A.11 A.2 A.3	Acute Tox. 4 Acute Tox. 3 Acute Tox. 1 Skin Corr. 1B Eye Dam. 1	H302 H311 H330 H314 H318	

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Name of substance	Identifier	Wt%	Hazard class and category	Hazard statement	Notes
ethanol	CAS No 64-17-5  EC No 200-578-6  REACH Reg. No 01- 2119457610- 43-xxxx	0 - < 1	A.10 Acute Tox. 3 A.1D Acute Tox. 3 A.1I Acute Tox. 3 A.2 Skin Irrit. 2 A.3 Eye Irrit. 2 A.6 Carc. 1A A.8 STOT SE 1 B.6 Flam. Liq. 2	H301 H311 H331 H315 H319 H350 H370 H225	* IARC: 1

**Notes**

\*: Only carcinogenic in alcoholic beverages.  
IARC: 1: IARC group 1: carcinogenic to humans (International Agency for Research on Cancer).

For full text of abbreviations: see SECTION 16. Exact percentage of ingredients is withheld as a trade secret.

### SECTION 4: First-aid measures

4.1

**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**

In case of respiratory tract irritation, consult a physician. Provide fresh air.

**Following skin contact**

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

**Following eye contact**

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

**Following ingestion**

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

### SECTION 5: Fire-fighting measures

5.1 **Extinguishing media**

**Suitable extinguishing media**

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO2)

**Unsuitable extinguishing media**

water jet

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

**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. Co-ordinate 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.

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

#### Advices on how to contain a spill

Covering of drains.

#### Advices 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. Use only in well-ventilated areas.

#### 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 feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Managing of associated risks

#### Incompatible substances or mixtures

Observe compatible storage of chemicals.

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### Control of the effects

#### Protect against external exposure, such as

frost

### Consideration of other advice

#### Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted.

#### Packaging compatibilities

Only packagings which are approved (e.g. acc. to DOT) 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

#### National limit values

#### Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Source
US	ethyl alcohol (ethanol)	64-17-5	PEL	1,000	1,900			29 CFR 1910.1000

#### Notation

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified).

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified).

#### Relevant DNELs/DMELs/PNECs and other threshold levels

No data 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 leak-tightness/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.

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### 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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	liquid
Color	colorless to pale amber
Odor	sweet - fruity - fresh

#### Other physical and chemical parameters

pH (value)	6.5 – 8.5 (25 °C)
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	>100 °C at 101.3 kPa (closed cup)
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	not determined
Vapor pressure	31.69 hPa at 25 °C
Density	1.007 g/ml
Solubility(ies)	
Water solubility	miscible in any proportion
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	>400 °C
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none
	There is no additional information.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.



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### Physical stresses which might result in a hazardous situation and have to be avoided

strong shocks

### 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

Toxic if inhaled.

#### Acute toxicity estimate (ATE)

inhalation: vapor 2.39 mg/l/4h  
inhalation: dust/mist 0.6459 mg/l/4h

#### Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	68391-01-5	oral	304.5 mg/kg
quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	68391-01-5	dermal	930 mg/kg
quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	68391-01-5	inhalation: vapor	0.05 mg/l/4h
quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	68391-01-5	inhalation: dust/mist	0.0135 mg/l/4h
alkyl dimethyl ethylbenzyl ammonium chloride	85409-23-0 68956-79-6	oral	304.5 mg/kg
alkyl dimethyl ethylbenzyl ammonium chloride	85409-23-0 68956-79-6	dermal	930 mg/kg
alkyl dimethyl ethylbenzyl ammonium chloride	85409-23-0 68956-79-6	inhalation: vapor	0.05 mg/l/4h
alkyl dimethyl ethylbenzyl ammonium chloride	85409-23-0 68956-79-6	inhalation: dust/mist	0.0135 mg/l/4h
ethanol	64-17-5	oral	100 mg/kg
ethanol	64-17-5	dermal	300 mg/kg

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Name of substance	CAS No	Exposure route	ATE
ethanol	64-17-5	inhalation: vapor	3 mg//4h

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization**

Shall not be classified as a respiratory or skin sensitizer.

**Summary of evaluation of the CMR properties**

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

**Carcinogenicity**

- National Toxicology Program (United States): none of the ingredients are listed
- IARC Monographs

Name of substance	Name acc. to inventory	CAS No	wt%	Classification	Remarks	Number
ethanol	Ethanol	64-17-5	0.1254	1	in alcoholic beverages	Volume 96, 100E

**Legend**

1 Carcinogenic to humans.

- OSHA Carcinogens (United States) none of the ingredients are listed

**Specific target organ toxicity (STOT)**

Shall not be classified as a specific target organ toxicant.

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

### SECTION 12: Ecological information

**12.1 Toxicity**

Harmful to aquatic life.

**Aquatic toxicity (acute)**

Shall not be classified as hazardous to the aquatic environment.

**Aquatic toxicity (acute) of components of the mixture**

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
ethanol	64-17-5	LC50	14.2 <sup>g</sup> / <sub>l</sub>	fish	96 h
ethanol	64-17-5	EC50	12.9 <sup>g</sup> / <sub>l</sub>	fish	96 h



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### Aquatic toxicity (chronic)

#### Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
ethanol	64-17-5	LC50	>0.08 mg/l	fish	42 d
ethanol	64-17-5	EC50	22.6 g/l	algae	10 d
ethanol	64-17-5	ErC50	675 mg/l	algae	4 d

### Biodegradation

The relevant substances of the mixture are readily biodegradable.

## 12.2 Persistence and degradability

### Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
ethanol	64-17-5	oxygen depletion	74 %	5 d

## 12.3 Bioaccumulative potential

Data are not available.

### Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
ethanol	64-17-5		-0.35 (pH value: 7.4, 24 °C)	

## 12.4 Mobility in soil

Data are not available.

## 12.5 Results of PBT and vPvB assessment

Data are not available.

## 12.6 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### 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

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.

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### SECTION 14: Transport information

<b>14.1</b>	UN number	<b>2810</b>
<b>14.2</b>	UN proper shipping name Technical name (hazardous constituents)	<b>Toxic liquid, organic, n.o.s.</b> quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides, alkyl dimethyl ethylbenzyl ammonium chloride
<b>14.3</b>	Transport hazard class(es) Class	6.1 (toxic substances)
<b>14.4</b>	Packing group	III (substance presenting low danger)
<b>14.5</b>	Environmental hazards	none (non-environmentally hazardous acc. to the dangerous goods regulations)
<b>14.6</b>	Special precautions for user There is no additional information.	
<b>14.7</b>	Transport in bulk according to Annex II of MARPOL and the IBC Code The cargo is not intended to be carried in bulk.	

#### Information for each of the UN Model Regulations

##### • Transport of dangerous goods by road or rail (49 CFR US DOT)

Index number	2810
Proper shipping name	Toxic liquid, organic, n.o.s.
Class	6.1
Packing group	III
Danger label(s)	6.1



Special provisions (SP)	IB3, T7, TP1, TP28
ERG No	153

##### • International Maritime Dangerous Goods Code (IMDG)

UN number	2810
Proper shipping name	TOXIC LIQUID, ORGANIC, N.O.S.
Class	6.1
Packing group	III
Danger label(s)	6.1



Special provisions (SP)	223, 274
Excepted quantities (EQ)	E1

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Limited quantities (LQ)	5 L
EmS	F-A, S-A
Stowage category	A
<b>• International Civil Aviation Organization (ICAO-IATA/DGR)</b>	
UN number	2810
Proper shipping name	Toxic liquid, organic, n.o.s.
Class	6.1
Packing group	III
Danger label(s)	6.1



Special provisions (SP)	A3, A4, A137
Excepted quantities (EQ)	E1
Limited quantities (LQ)	2 L

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### National regulations (United States)

<b>Toxic Substance Control Act (TSCA)</b>	all ingredients are listed or exempt from listing
<b>Superfund Amendment and Reauthorization Act (SARA TITLE III)</b>	
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
<b>Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)</b>	
List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)	none of the ingredients are listed
<b>Clean Air Act</b>	none of the ingredients are listed
<b>Drug precursors, Controlled Substances Act (21 U.S.C. § 802)</b>	none of the ingredients are listed

##### Industry or sector specific available guidance(s)

##### **NPCA-HMIS® III**

Hazardous Materials Identification System (American Coatings Association)

Category	Rating	Description
<b>Chronic</b>	*	Chronic (long-term) health effects may result from repeated overexposure.
<b>Health</b>	2	Temporary or minor injury may occur.
<b>Flammability</b>	1	Material that must be preheated before ignition can occur.
<b>Physical hazard</b>	0	Material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive.



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Category	Rating	Description
Personal protection	-	

### 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	1	Material that must be preheated before ignition can occur.
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		

### Right to Know Hazardous Substance List

Name of substance	CAS No	Remarks	Classifications
ethanol	64-17-5		CA MU TE F3

#### Legend

CA Carcinogenic.  
F3 Flammable - Third Degree.  
MU Mutagenic.  
TE Teratogenic.

### Proposition 65 List of chemicals

Name of substance	CAS No	Wt%	Remarks	Type of the toxicity
ethanol	64-17-5	0.1254	in alcoholic beverages	cancer
ethanol	64-17-5	0.1254	in alcoholic beverages	developmental

### Relevant European Union (EU) safety, health and environmental provisions

#### Classification according to GHS (1272/2008/EC, CLP)

##### Hazard class

acute toxicity (inhal.)  
skin corrosion/irritation  
serious eye damage/eye irritation

##### Category Hazard class and category

3 (Acute Tox. 3)  
2 (Skin Irrit. 2)  
2 (Eye Irrit. 2)

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

#### 16.1 Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Trade name: Hydro Products Vanguard Sani-Solution, all fragrances	Trade name: Hydro Products Vanguard Sani-Solution Concentrate, all fragrances	yes
6.2	Environmental precautions: Keep away from drains, surface and ground water.	Environmental precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.	yes

#### 16.2 Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR § 40 U.S. Department of Transportation
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ERG No	Emergency Response Guidebook - Number
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IARC	International Agency for Research on Cancer

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Abbr.	Descriptions of used abbreviations
IARC Monographs	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA® 704	National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States)
NLP	No-Longer Polymer
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

### 16.3 Key literature references and sources for data

- OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200
- 49 CFR § 172.101 Hazardous Materials Table (DOT)

### 16.4 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).

### 16.5

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



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Code	Text
H225	Highly flammable liquid and vapor.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H350	May cause cancer.
H370	Causes damage to organs.

16.7

### Disclaimer

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