

Commercial Product Name: ALEXSEAL T9146-Premium Topcoat 501  
Product No.: 4501091469000

Revision Date 09/22/2016  
Print Date 09/22/2016

Version 1

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ALEXSEAL T9146-Premium Topcoat 501 9146 Carina White  
Product number : 4501091469000  
Product code : 4501091469373 4501091469373

**Manufacturer or supplier's details**

Company name of supplier : Mankiewicz Coatings L.L.C  
Address : 415 Jessen Lane  
Charleston, South Carolina 29492  
USA  
Telephone : +1 (843) 6547755  
Emergency telephone : CHEMTREC +1 (800) 4249300 or +1 (703) 5273887

**Recommended use of the chemical and restrictions on use**

Recommended use : Industrial serial painting

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Flammable liquids : Category 3  
Skin sensitization : Category 1  
Carcinogenicity : Category 2  
Reproductive toxicity : Category 1B

**GHS label elements**

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H226 Flammable liquid and vapor.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H360 May damage fertility or the unborn child.

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Precautionary Statements :

**Prevention:**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P308 + P313 IF exposed or concerned: Get medical advice/ attention.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
- P363 Wash contaminated clothing before reuse.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

**Disposal:**

- P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : Mixture of synthetic resins, organic solvents and pigments

**Hazardous ingredients**

CAS-No.	Chemical name	Concentration (% w/w)	
13463-67-7	titanium dioxide	>= 25	- < 40
108-65-6	2-methoxy-1-methylethyl acetate	>= 25	- < 40
110-12-3	5-methylhexan-2-one	>= 5	- < 12.5
41556-26-7	BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL)SEBACATE	>= 0.25	- < 0.5

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70657-70-4	2-METHOXY-1-PROPYL ACETATE	>= 0.1	- < 0.25
100-41-4	ethylbenzene	>= 0.1	- < 0.25

**SECTION 4. FIRST AID MEASURES**

- General advice : In all cases of doubt, or when sickness symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air, keep patient warm and at rest.  
Irregular breathing/no breathing: artificial respiration.  
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash skin thoroughly with soap and water or use recognised skin cleanser.  
Do NOT use solvents or thinners !
- In case of eye contact : Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- If swallowed : Do NOT induce vomiting.  
If accidentally swallowed obtain immediate medical attention.  
Never give anything by mouth to an unconscious person.  
Keep at rest.
- Most important symptoms and effects, both acute and delayed : For information on symptoms and effects refer to Section 2 Hazard statements and Section 11 Toxicological Information.
- Notes to physician : No information available.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Alcohol resistant foam, CO2, powders, water spray
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- Further information : Cool endangered containers with water in case of fire.  
**DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES!!**
- Special protective equipment for fire-fighters : As in any fire, wear self-contained breathing apparatus pressure - demand, MSHA / NIOSH (approved or equivalent)



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and full protective gear.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Exclude sources of ignition and ventilate the area. Do not inhale vapors. Refer to protective measures listed in sections 7 and 8. Evacuate personnel to safe areas.
- Environmental precautions : Do not let product enter drains. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.
- Methods and materials for containment and cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing. No sparking tools should be used. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.
- Advice on safe handling : Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentrations higher than the occupational exposure limits. Comply with the health and safety at work laws. Smoking, eating and drinking should be prohibited in the application area. Observe specific national regulations for handling and use of paints.
- Conditions for safe storage : Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Technical measures/Precautions : Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.



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Materials to avoid : Keep away from oxidizing agents and strongly acid or alkaline materials.

Recommended storage temperature : 5 - 35 °C

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

CAS-No.	Ingredients	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
13463-67-7	titanium dioxide	TWA (total dust)	15 mg/m3	OSHA Z-1
	titanium dioxide	TWA (Total dust)	10 mg/m3	OSHA P0
108-65-6	2-methoxy-1-methylethyl acetate	TWA	50 ppm	US WEEL
110-12-3	5-methylhexan-2-one		100 ml/m3 475 mg/m3	LIMITS FOR AIR CONTAMINANTS (OSHA)
			50 ml/m3	ACGIH
	5-methylhexan-2-one	TWA	20 ppm	ACGIH
	5-methylhexan-2-one	TWA	100 ppm 475 mg/m3	OSHA Z-1
	5-methylhexan-2-one	TWA	50 ppm 240 mg/m3	OSHA P0
	5-methylhexan-2-one	STEL	50 ppm	ACGIH
	5-methylhexan-2-one	TWA	50 ppm 240 mg/m3	NIOSH REL
100-41-4	ethylbenzene	TWA	20 ppm	ACGIH
	ethylbenzene	STEL	125 ppm	ACGIH
	ethylbenzene	TWA	100 ppm 435 mg/m3	OSHA Z-1
	ethylbenzene	TWA	100 ppm 435 mg/m3	OSHA P0
	ethylbenzene	STEL	125 ppm 545 mg/m3	OSHA P0
	ethylbenzene	TWA	100 ppm 435 mg/m3	NIOSH REL
	ethylbenzene	ST	125 ppm 545 mg/m3	NIOSH REL

**Hazardous components without workplace control parameters**

CAS-No.	Ingredients
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41556-26-7	BIS(1,2,2,6,6 - PENTAMET HYL-4- PIPERIDYL) SEBACAT
70657-70-4	2- METHOXY- 1- PROPYLAC ETAT

**Biological occupational exposure limits**

Ingredients	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
ethylbenzene	100-41-4	Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI

**Engineering measures** : Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain aerosol- and solvent vapors concentration below the OEL, suitable respiratory protection must be worn.

**Personal protective equipment**

**Respiratory protection** : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Use MSHA/NIOSH approved respirator if concentration exceeds recommended exposure levels. Dry grinding, torch cutting and/or welding however can produce hazardous dust and/or vapor. If possible, machine employing a wet medium. Where practicable, install exhaust hoods to improve capture of vapors and fumes and avoid exposition; otherwise wear respiratory protection equipment.

Hand protection

**Remarks** : Glove permeation data does not exist for this material. The following glove(s) should be used for splash protection only:  
Appropriate material: nitrile

**Eye protection** : Use safety glasses or face shield (ANSI Z87.1 or approved equivalent).

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- Skin and body protection : Personal should wear protective clothing as necessary to prevent skin contact. All parts of the body should be washed after contact.
- Protective measures : Do not eat or drink during work - no smoking. Avoid product contact with skin, eyes and clothing. Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapor in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process until such time as the particulates and solvent vapor concentration has fallen below the exposure limits.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Color : according product name
- Odor : characteristic
- Boiling point/boiling range : ca. 248 °F (120 °C)
- Flash point : 115.7 °F (46.5 °C)  
Method: ISO 2719
- Upper explosion limit : 10 %(V)
- Lower explosion limit : 1 %(V)
- Vapor pressure : ca. 100 hPa  
122 °F (50 °C)
- Density : 10.0 lb/gal (1.2 g/cm3)  
68 °F (20 °C)
- Solubility(ies)  
Water solubility : insoluble
- Autoignition temperature : > 752 °F (> 400 °C)
- Flow time : > 90 s  
Cross section: 4 mm  
Method: DIN 53211



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**SECTION 10. STABILITY AND REACTIVITY**

- Reactivity : No decomposition if stored and applied as directed.
- Chemical stability : Stable under normal conditions.
- Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use. There are no data available on the preparation itself.
- Conditions to avoid : Stable under recommended storage and handling conditions (See section 7).
- Incompatible materials : Keep away from oxidizing agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.
- Hazardous decomposition products : When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

**Product:**

- Acute inhalation toxicity : Acute toxicity estimate: 157.05 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

**Carcinogenicity:**

- IARC** Group 2B: Possibly carcinogenic to humans  
ethylbenzene 100-41-4
- OSHA** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Further information**

**Product:**

Remarks: Exposure of vapor concentration in excess of the stated OEL's may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue muscular weakness, drowsiness and in extrem cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.



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The liquid splashed in the eyes may cause irritation and reversible damage.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : There are no data available on the preparation itself.

**Ingredients:**

**110-12-3:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 81.4 mg/l  
Exposure time: 96 h

**Persistence and degradability**

**Product:**

Biodegradability : Remarks: There are no data available on the preparation itself.

**Ingredients:**

**110-12-3:**

Biodegradability : Result: Readily biodegradable.

**Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: There are no data available on the preparation itself.

**Mobility in soil**

**Product:**

Mobility : Remarks: There are no data available on the preparation itself.

**Other adverse effects**

**Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I  
Substances  
Remarks: This product neither contains, nor was  
manufactured with a Class I or Class II ODS as defined by the  
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +  
B).



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Additional ecological information : There are no data available on the preparation itself.

The product should not be allowed to enter drains or water courses.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

**SECTION 14. TRANSPORT INFORMATION**

**International Regulation**

**IATA-DGR**

UN/ID No. : UN 1263  
Proper shipping name : PAINT  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1263  
Proper shipping name : PAINT  
  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation**

**49 CFR**

UN/ID/NA number : UN 1263  
Proper shipping name : PAINT  
  
Class : 3  
Packing group : III  
Labels : FLAMMABLE LIQUID  
Marine pollutant : no  
Remarks : If transported within the user's premises: To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of

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conduct in case of incident or spillage.

**SECTION 15. REGULATORY INFORMATION**

**EPCRA - Emergency Planning and Community Right-to-Know**

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard  
Chronic Health Hazard  
Fire Hazard  
Acute Health Hazard  
Chronic Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

100-41-4 ethylbenzene 0.1546 %

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

1330-20-7 xylene 0.5842 %  
100-41-4 ethylbenzene 0.1546 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

1330-20-7 xylene 0.5842 %  
123-86-4 n-butyl acetate 0.2982 %  
100-41-4 ethylbenzene 0.1546 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

1330-20-7 xylene 0.5842 %  
123-86-4 n-butyl acetate 0.2982 %  
100-41-4 ethylbenzene 0.1546 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**US State Regulations**

**Massachusetts Right To Know**

110-12-3 5-methylhexan-2-one

**Massachusetts Right To Know**

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13463-67-7	titanium dioxide	20 - 30 %
110-12-3	5-methylhexan-2-one	5 - 10 %

**Pennsylvania Right To Know**

110-12-3	5-methylhexan-2-one	
1330-20-7	xylene	
123-86-4	n-butyl acetate	
100-41-4	ethylbenzene	

**Pennsylvania Right To Know**

110-12-3	5-methylhexan-2-one	5 - 10 %
1330-20-7	xylene	0.1 - 1 %
123-86-4	n-butyl acetate	0.1 - 1 %
100-41-4	ethylbenzene	0.1 - 1 %

**New Jersey Right To Know**

110-12-3	5-methylhexan-2-one	
100-41-4	ethylbenzene	

**New Jersey Right To Know**

110-12-3	5-methylhexan-2-one	5 - 10 %
100-41-4	ethylbenzene	0.1 - 1 %

**California Prop. 65**

WARNING! This product contains a chemical known in the State of California to cause cancer.

100-41-4	ethylbenzene	
1333-86-4	Carbon black	

**California List of Hazardous Substances**

110-12-3	5-methylhexan-2-one	
7631-86-9	silicon dioxide, chemically prepared	

**California Permissible Exposure Limits for Chemical Contaminants**

13463-67-7	titanium dioxide	
108-65-6	2-methoxy-1-methylethyl acetate	
110-12-3	5-methylhexan-2-one	

**US Federal Regulations**

Volatile organic compounds : 3.40 lb/gal (0.41 g/cm3)  
(VOC) content

For the calculation of VOC values in this section all substances have been considered which fall under the definition of VOC according to 40 CFR 51.100. Additionally, the calculation complies with the requirements of SCAQMD Rule 1106.1, amended February 12, 1999.

**US Federal Regulations**

: 3.40 lb/gal (0.41 g/cm3)

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For the calculation of VOC values in this section all substances have been considered which fall under the definition of VOC according to 40 CFR 51.100. Additionally, the calculation complies with the requirements of SCAQMD Rule 1106.1, amended February 12, 1999.

**The ingredients of this product are reported in the following inventories:**

TSCA : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

DSL : All components of this product are on the Canadian DSL

**TSCA list**

No substances are subject to a Significant New Use Rule.

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:  
110-12-3 5-METHYL-2-HEXANON

**SECTION 16. OTHER INFORMATION**

**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations

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Bank Name	Ort	Kto.-Nr.	BLZ	BIC	IBAN
Deutsche Bank	Hamburg	600227300	200 700 00	DEUTDE33HAN	DE58 2007 0000 0600 2273 00
HypoVereinsbank	Hamburg	59273300	200 300 00	HYVEDE33HAN	DE34 2003 0000 0059 2733 00
Postbank	Hamburg	373205	200 100 20	PNKDEFF200	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442  
Bureau Veritas Certification: ISO 9001, TS 16949, EN 9100  
Persönlich haftende Gesellschafterin:  
Grau Gebr. Beteiligungs-GmbH  
Sitz/Registriergericht Hamburg: HRB 17189  
Geschäftsführender Gesellschafter:  
Michael O. Grau



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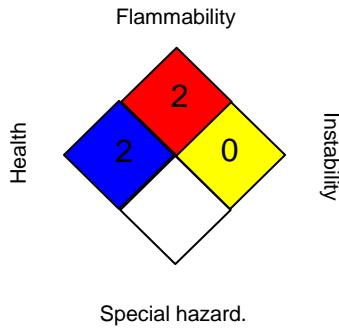
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Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>2*</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Health  
0=Slightly Hazardous Slightly Hazardous  
2=Hazardous  
3=Extreme danger  
4=Deadly

Flammability  
0=Will not burn  
2=Flashpoint below 200 °F  
3=Flashpoint below 100 °F  
4=Flashpoint below 73 °F

Instability  
0=Stable  
1=Unstable if heated  
2=Violent chemical reaction; water reactive  
3=Shock or heat may detonate  
4=May detonate

Special hazard.  
SA Simple Asphyxiant  
ACID Acid  
OX Oxidizer  
W Water Reactive  
CORR Corrosive

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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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