

Printing date 08/22/2019

Reviewed on 08/22/2019

1 Identification

- · Product identifier
- · Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE
- · Article number: 1405
- $^{\rm \cdot}$ Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
- High Teck Products
- · P.Ŏ. Box 24631
- · West Palm Beach, FL. 33416
- · USA
- · Information department: Product safety department
- Emergency telephone number:
- · 24 Hrs Emergency Contact:
- · CHEMTREC
- · 800-424-9300

2 Hazard(s) identification

· Classification of the substance or mixture

GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

H351 Suspected of causing cancer.

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

· Label elements

• GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 2)

Page 1/14

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

(Contd. of page 1) · Hazard pictograms GHS02 GHS07 GHS08 · Signal word Danger · Hazard-determining components of labeling: titanium dioxide bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate · Hazard statements Highly flammable liquid and vapor. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. · Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Classification system: • NFPA ratings (scale 0 - 4) Health = 2Fire = 3Reactivity = 0· HMIS-ratings (scale 0 - 4)

HEALTH 2 Health = 2FIRE 3 Fire = 3Reactivity = 0 REACTIVITY 0

(Contd. on page 3)

USA

(Contd. of page 2)

Safety Data Sheet acc. to OSHA HCS

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

· Other hazards

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
13463-67-7	titanium dioxide	10-25%
123-86-4	n-butyl acetate	10-25%
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	2.5-10%
110-43-0	heptan-2-one	2.5-10%
67-64-1	acetone	2.5-10%
	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	0-10%
	ethylbenzene	≤2.5%
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	≤2.5%

4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- *Indication of any immediate medical attention and special treatment needed* No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • For safety reasons unsuitable extinguishing agents: Water with full jet

- · Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

(Contd. on page 4)

USA

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

(Contd. of page 3)

Wear protect Environmen Methods an Absorb with Dispose cor Ensure adect Reference a See Section See Section See Section	recautions, protective equipment and emergency pro- trive equipment. Keep unprotected persons away. Intal precautions: Prevent seepage into sewage system, and material for containment and cleaning up: liquid-binding material (sand, diatomite, acid binders, uni- traminated material as waste according to item 13. quate ventilation. To other sections 7 for information on safe handling. 8 for information on personal protection equipment. 13 for disposal information. Action Criteria for Chemicals	workpits and cellars.
PAC-1:		
13463-67-7	titanium dioxide	30 mg/m³
123-86-4	n-butyl acetate	5 ppm
110-43-0	heptan-2-one	150 ppm
67-64-1	acetone	200 ppm
	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	9.3 mg/m³
1330-20-7		130 ppm
100-41-4	ethylbenzene	33 ppm
71-36-3	butan-1-ol	60 ppm
108-38-3	<i>m-xylene</i>	130 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
122-99-6	2-Phenoxyethanol	1.5 ppm
	dibutyltin dilaurate	1.1 mg/m³
1333-86-4	Carbon black	9 mg/m³
108-83-8	2,6-dimethylheptan-4-one	75 ppm
	Dipropylene glycol monomethyl ether	150 ppm
7664-38-2	phosphoric acid	3 mg/m ³
14808-60-7	Quartz (SiO2)	0.075 mg/m
70657-70-4	2-methoxypropyl acetate	50 ppm
	Propylene glycol	30 mg/m ³
78-83-1	butanol	150 ppm
PAC-2:		
13463-67-7	titanium dioxide	330 mg/m ³
123-86-4	n-butyl acetate	200 ppm
110-43-0	heptan-2-one	670 ppm
67-64-1	acetone	3200* ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	100 mg/m³
1330-20-7	•	920* ppm
100-41-4	ethylbenzene	1100* ppm
71-36-3	butan-1-ol	800 ppm
108-38-3	<i>m-xylene</i>	920 ppm
100-30-3		

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

122-00 6	2-Phenoxyethanol	(Contd. of page
	-	16 ppm
	dibutyltin dilaurate	8 mg/m ³
	Carbon black	99 mg/m³
	2,6-dimethylheptan-4-one	330 ppm
	Dipropylene glycol monomethyl ether	1700* ppm
	phosphoric acid	30 mg/m³
	Quartz (SiO2)	33 mg/m³
70657-70-4	2-methoxypropyl acetate	1,000 ppm
57-55-6	Propylene glycol	1,300 mg/m
78-83-1	butanol	1,300 ppm
PAC-3:	·	· · · · · · · · · · · · · · · · · · ·
13463-67-7	titanium dioxide	2,000 mg/m
123-86-4	n-butyl acetate	3000* ppm
110-43-0	heptan-2-one	4000* ppm
67-64-1	acetone	5700* ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	230 mg/m³
1330-20-7	xylene	2500* ppm
100-41-4	ethylbenzene	1800* ppm
71-36-3	butan-1-ol	8000** ppm
108-38-3	<i>m-xylene</i>	2500* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
122-99-6	2-Phenoxyethanol	97 ppm
77-58-7	dibutyltin dilaurate	48 mg/m³
1333-86-4	Carbon black	590 mg/m³
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
7664-38-2	phosphoric acid	150 mg/m³
14808-60-7	Quartz (SiO2)	200 mg/m³
70657-70-4	2-methoxypropyl acetate	5,000 ppm
57-55-6	Propylene glycol	7,900 mg/m
78-83-1	butanol	8000* ppm

7 Handling and storage

· Handling:

- Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.
 Prevent formation of aerosols.
 Information about protection against explosions and fires:
- Keep ignition sources away Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.

(Contd. on page 6)

⁻ USA -

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

(Contd. of page 5)

- · Conditions for safe storage, including any incompatibilities
- · Storage:

• Requirements to be met by storerooms and receptacles: Store in a cool location.

· Information about storage in one common storage facility: Not required.

• Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

• Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

- · Control parameters
- [•] Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

123-86-4 n-butyl acetate

PEL Long-term value: 710 mg/m³, 150 ppm
 REL Short-term value: 950 mg/m³, 200 ppm
 Long-term value: 710 mg/m³, 150 ppm
 TLV Short-term value: 712 mg/m³, 150 ppm

Long-term value: 238 mg/m³, 50 ppm

110-43-0 heptan-2-one

- PEL Long-term value: 465 mg/m³, 100 ppm
- REL Long-term value: 465 mg/m³, 100 ppm
- TLV Long-term value: 233 mg/m³, 50 ppm

67-64-1 acetone

- PEL Long-term value: 2400 mg/m³, 1000 ppm
- REL Long-term value: 590 mg/m³, 250 ppm
- TLV Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm BEI

100-41-4 ethylbenzene

- PEL Long-term value: 435 mg/m³, 100 ppm
- REL Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
- TLV Long-term value: 87 mg/m³, 20 ppm BEI

· Ingredients with biological limit values:

- 67-64-1 acetone
- BEI 50 mg/L
 - Medium: urine Time: end of shift
 - Parameter: Acetone (nonspecific)

(Contd. on page 7)

USA

USA

(Contd. on page 8)

Safety Data Sheet acc. to OSHA HCS

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

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100	(Contd. of page 6)
	-41-4 ethylbenzene 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
	- Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)
· Exp · Per · Ger Kee Imn Wa Stoi Avo Avo Bre In c exp	ditional information: The lists that were valid during the creation were used as basis. posure controls sonal protective equipment: meral protective and hygienic measures: p away from foodstuffs, beverages and feed. mediately remove all soiled and contaminated clothing. sh hands before breaks and at the end of work. re protective clothing separately. id contact with the eyes. id contact with the eyes and skin. athing equipment: rase of brief exposure or low pollution use respiratory filter device. In case of intensive or longer osure use respiratory protective device that is independent of circulating air. tection of hands:
Due prep Sela • Mat The qua sub be o • Per The to b	Protective gloves I glove material has to be impermeable and resistant to the product/ the substance/ the preparation. I to missing tests no recommendation to the glove material can be given for the product/ the paration/ the chemical mixture. I to determine the glove material on consideration of the penetration times, rates of diffusion and the radation I to gloves I selection of the suitable gloves does not only depend on the material, but also on further marks of lity and varies from manufacturer to manufacturer. As the product is a preparation of several stances, the resistance of the glove material can not be calculated in advance and has therefore to checked prior to the application. Intertation time of glove material exact break through time has to be found out by the manufacturer of the protective gloves and has e observed. I protection: I to determine the determine of glove material I to be found out by the manufacturer of the protective gloves and has I to be observed.
Ċ	Tightly sealed goggles

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

(Contd. of page 7)

Information on basic physical and	chemical properties
General Information	
Appearance:	Liquid
Form: Color:	Liquid White
Odor:	Product specific
Odor threshold:	Not determined.
pH-value:	Not determined (pH N/A in solvent coatings)
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55.8-56.6 °C (132.4-133.9 °F)
Flash point:	<-18 °C (<-0.4 °F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	370 °C (698 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air vapor mixtures are possible.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.5 Vol %
Vapor pressure at 20 °C (68 °F):	10.7 hPa (8 mm Hg)
Density at 20 °C (68 °F):	1.262 g/cm³ (10.5314 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wate	er): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	23.5 %
VOC content:	17.82 %
	173.6 g/l / 1.45 lb/gal
Solids content:	61.7 %
Other information	No further relevant information available.

10 Stability and reactivity

· Reactivity No further relevant information available.

(Contd. on page 9)

(Contd. of page 8)

Safety Data Sheet acc. to OSHA HCS

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

· Chemical stability

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: Irritating effect.
- · Sensitization: Sensitization possible through skin contact.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

- Irritant
- · Carcinogenic categories

· IARC (Inter	national Agency for Research on Cancer)	
13463-67-7	titanium dioxide	2B
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
	o-xylene	3
106-42-3	p-xylene	3
108-38-3	<i>m</i> -xylene	3
1333-86-4	Carbon black	2B
14808-60-7	Quartz (SiO2)	1
· NTP (Nation	nal Toxicology Program)	
14808-60-7	Quartz (SiO2)	K
· OSHA-Ca (Occupational Safety & Health Administration)	
None of the	ingredients is listed.	

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes: Not hazardous for water.
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.

(Contd. on page 10)

USA

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

· Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• **Recommendation:** Disposal must be made according to official regulations.

UN-Number DOT, IMDG, IATA	UN1263	
UN proper shipping name DOT IMDG, IATA	Paint PAINT	
Transport hazard class(es)		
DOT		
runnee cor		
Class	3 Flammable liquids	
Label	3	
Class	3 Flammable liquids	
Label	3	
Packing group DOT, IMDG, IATA	11	
Environmental hazards:	Not applicable.	
Special precautions for user	Warning: Flammable liquids	
Danger code (Kemler):	33	
EMS Number:	F-E, <u>S-E</u>	
Stowage Category	В	
Transport in bulk according to Annex I MARPOL73/78 and the IBC Code	l of Not applicable.	

(Contd. of page 9)

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

(Contd. of page 1
On passenger aircraft/rail: 5 L
On cargo aircraft only: 60 L
5L
Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
UN 1263 PAINT, 3, II

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixtu	ure
⁻ Sara	

	e ingredients is listed.	
	3 (Specific toxic chemical listings):	
1330-20-7	•	
	ethylbenzene	
	butan-1-ol	
	o-xylene	
106-42-3	· ·	
108-38-3	•	
	2-Phenoxyethanol	
7664-38-2	phosphoric acid	
TSCA (Tox	ric Substances Control Act):	
13463-67-7	titanium dioxide	ACTIV
123-86-4	n-butyl acetate	ACTIV
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	ACTIV
110-43-0	heptan-2-one	ACTIV
67-64-1	acetone	ACTIV
2530-83-8	3 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane	ACTIV
1330-20-7	7 xylene	ACTIV
100-41-4	t ethylbenzene	ACTIV
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	ACTIV
71-36-3	3 butan-1-ol	ACTIV
95-47-6	o-xylene	ACTIV
106-42-3	³ p-xylene	ACTIV
108-38-3	3 m-xylene	ACTIV
64742-47-8	B Distillates (petroleum), hydrotreated light	ACTIV
108-65-6	2-methoxy-1-methylethyl acetate	ACTIV
51274-00-1	ALPHA-IRON(III) OXIDE	ACTIV

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

82010-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidylsebacate	(Contd. of page
	2-Phenoxyethanol	ACTIN
	dibutyltin dilaurate	ACTIN
	Carbon black	ACTIN
	Solvent naphtha (petroleum), light arom.	ACTIN
	2,6-dimethylheptan-4-one	ACTIN
	Dipropylene glycol monomethyl ether	ACTIN
	phosphoric acid	ACTIN
	Quartz (SiO2)	ACTIN
	Propylene glycol	ACTIN
	butanol	ACTIN
		ACTI
	Air Pollutants	
1330-20-7	-	
	ethylbenzene	
95-47-6	•	
106-42-3	-	
108-38-3	•	
Propositio		
	known to cause cancer: titanium dioxide	
	4-chloro-alpha,alpha,alpha-trifluorotoluene	
	ethylbenzene Carbon black	
	Quartz (SiO2)	
	known to cause reproductive toxicity for females:	
	ingredients is listed.	
	known to cause reproductive toxicity for males:	
None of the	ingredients is listed.	
	known to cause developmental toxicity:	
None of the	ingredients is listed.	
Carcinoge	nic categories	
-	onmental Protection Agency)	
67-64-1	acetone	
1330-20-7	xylene	
	ethylbenzene	
	butan-1-ol	
95-47-6	o-xylene	
106-42-3	•	
108-38-3	-	
TLV (Thres	hold Limit Value established by ACGIH)	
-	titanium dioxide	A
	acetone	,
1330-20-7		، ۴

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

		(Contd. of page 1
100-41-4	ethylbenzene	A
95-47-6	o-xylene	A
106-42-3	p-xylene	A
108-38-3	<i>m-xylene</i>	A
77-58-7	dibutyltin dilaurate	A
1333-86-4	Carbon black	A
14808-60-7	Quartz (SiO2)	A
NIOSH-Ca	National Institute for Occupational Safety and Health)	
13463-67-7	titanium dioxide	
1333-86-4	Carbon black	
14808-60-7	Quartz (SiO2)	
GHS label The product Hazard pic	is classified and labeled according to the Globally Harmonized	l System (GHS).



· Signal word Danger

· Hazard-determining components of labeling: titanium dioxide bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate · Hazard statements Highly flammable liquid and vapor. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. · Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray. (Contd. on page 14)

Printing date 08/22/2019

Reviewed on 08/22/2019

Trade name: 1405 2.8 VOC OXFORD WHITE SINGLE STAGE

(Contd. of page 13)

Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Environment protection department.
- · Contact: Product Safety Dept.

· Date of preparation / last revision 08/22/2019 / -· Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit Flam. Liq. 2: Flammable liquids - Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Skin Sens. 1: Skin sensitisation – Category 1 Carc. 2: Carcinogenicity - Category 2