SAFETY DATA SHEET

Safety Data Sheet according to GB/T 16483-2008 and GB/T 17519-2013



Date of issue/Date of revision 18 May 2021

Version 6

Section 1. Chemical product and company identification			
Product code	: 00372439		
Product name	: NUKLAD SL 1500 BASE		
Product name	: NUKLAD SL 1500 BASE		
Product type	: Liquid.		
Relevant identified uses of	f the substance or mixture and uses advised against		
Product use	: Professional applications, Used by spraying.		
Use of the substance/ mixture	: Coating.		
Uses advised against	: Not applicable.		
Supplier's details	: PPG Coatings (Kunshan) Co., Ltd 53 Jinyang Road, Lujia Town, 215331 Kunshan City, Jiangsu Province, P.R. China Tel: 86 512 57678859 Fax: 86 512 57678857		
Emergency telephone number (with hours of operation)	: 00 86 532 83889090		

Section 2. Hazards identification

Classification of the substance or mixture according to GB 13690-2009 and GB 30000-2013

Emergency overview	
Liquid. Gray.	
Characteristic.	
	on.
See Section 12 for environment	onmental precautions.
Classification of the substance or mixture	: ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2

Product code 00372439 Product name NUKLAD SL 1500 BASE

Section 2. Hazards identification

Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 90.9%

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 29.9%

GHS label elements Hazard pictograms : Visition Visition Signal word : Hazard statements : Provention : Visition of the picture of		
Signal word : Warning Hazard statements : Causes skin irritation, May cause an allergic skin reaction. Causes serious eye irritation, Harmful if inhaled. Toxic to aquatic life. Precautionary statements : Tecautic tife with long lasting effects. Precautionary statements : Wear protective gloves. Wear eye or face protection. Use only outdoors or in a well- ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Response : Collect spillage. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or autention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or autention. suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire. Storage : Not applicable. Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations. Physical and chemical hazards : No known significant effects or critical hazards. Health hazards : Mauses skin irritation, May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. Symptoms related to the phy	GHS label elements	
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ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Response © lect spillage. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire. Bisposal : Dispose of contents and container in accordance with all local, regional, national and international regulations. Physical and chemical hazards : No known significant effects or critical hazards. Health hazards : @auses skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. Symptoms related to the physical, chemical and toxicological characteristics Eye contact Eye contact : Adverse symptoms may include the following:	Precautionary statements	
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mediaStorage: Not applicable.Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.Physical and chemical hazards: No known significant effects or critical hazards.Health hazards: Vo known significant effects or critical hazards.Health hazards: Vauses skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled.Symptoms related to the physical, chemical and toxicological characteristics irritation.: Adverse symptoms may include the following:	Response	breathing. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or
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irritation. Harmful if inhaled. Symptoms related to the physical, chemical and toxicological characteristics Eye contact : Adverse symptoms may include the following:		: No known significant effects or critical hazards.
Eye contact : Adverse symptoms may include the following:	Health hazards	
	Symptoms related to the ph	nysical, chemical and toxicological characteristics
watering redness	Eye contact	pain or irritation watering
Inhalation : No specific data.	Inhalation	: No specific data.
Skin contact : Adverse symptoms may include the following: irritation redness	Skin contact	irritation
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Section 2. Hazards identification

Ingestion

: No specific data.

Delayed and immediate effect	ts and also chronic effects from short and long term exposure
<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Environmental hazards	: Foxic to aquatic life. Toxic to aquatic life with long lasting effects.
Other hazards which do not result in classification	: None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

CAS number/other identifiers

CAS number : Not applicable.		
Ingredient name	%	CAS number
bis-[4-(2,3-epoxipropoxi)phenyl]propane	40 - <70	1675-54-3
1,6-bis(2,3-epoxypropoxy)hexane	1 - <10	16096-31-4
benzyl alcohol	1 - <10	100-51-6
Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl- 1,3-propanediamine and 1,3-propanediamine	0.1 - <1	162627-17-0

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

Section 4. First aid measures

Eye contact	 Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	 Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	 If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Product code 00372439

Section 4. First aid measures

Most important symptoms/effects, acute and delayed	
Potential acute health effects	

Eye contact	4	Causes serious eye irritation.		
Inhalation	4	Harmful if inhaled.		
Skin contact	4	Causes skin irritation. May cause an allergic skin reaction.		
Ingestion	1	No known significant effects or critical hazards.		
Over-exposure signs/sympt	on	<u>15</u>		
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness		
Inhalation	1	No specific data.		
Skin contact	:	Adverse symptoms may include the following: irritation redness		
Ingestion	÷	No specific data.		
Indication of immediate medi	<u>ca</u>	l attention and special treatment needed, if necessary		
Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.		
Specific treatments	1	No specific treatment.		
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.		
See toxicological information (Section 11)				

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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Section 5. Fire-fighting measures

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protect	ctiv	e equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
·		Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and materials for c	onta	ainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling : Fut on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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Section 7. Handling and storage

		•
Conditions for safe storage, including any incompatibilities	ccordance w unlight in a d ee Section 1 eady for use. ept upright to opropriate co	the following temperatures: 0 to 35°C (32 to 95°F). Store in ith local regulations. Store in original container protected from direct ry, cool and well-ventilated area, away from incompatible materials 10) and food and drink. Keep container tightly closed and sealed until Containers that have been opened must be carefully resealed and o prevent leakage. Do not store in unlabeled containers. Use containment to avoid environmental contamination. See Section 10 for materials before handling or use.

Section 8. Exposure controls/personal protection

<u>Control parameters</u>	
Occupational exposure limits	
None.	
Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measure	<u>S</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye protection	: Chemical splash goggles.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
	: butyl rubber
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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Section 8. Exposure controls/personal protection

Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Gray.
Odor	: Characteristic.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: 100°C (212°F)
Lower and upper explosive (flammable) limits	: Greatest known range: Lower: 1.3% Upper: 13% (benzyl alcohol)
Relative density	: 1.36
Solubility	: Insoluble in the following materials: cold water.
Viscosity	: Kinematic (40°C): >21 mm²/s
Viscosity	: 60 - 100 s (ISO 6mm)

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides

Product name NUKLAD SL 1500 BASE

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Result	Species	Dose	Exposure
LD50 Dermal	Rabbit	23000 mg/kg	-
LD50 Oral	Rat	15000 mg/kg	-
LC50 Inhalation Dusts	Rat	>4178 mg/m ³	4 hours
and mists		_	
LD50 Dermal	Rabbit	2000 mg/kg	-
LD50 Oral	Rat	1.23 g/kg	-
LD50 Oral	Rat	>10000 mg/kg	-
	LD50 Dermal LD50 Oral LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral	LD50 Dermal Rabbit LD50 Oral Rat LC50 Inhalation Dusts Rat and mists LD50 Dermal Rabbit LD50 Oral Rat	LD50 DermalRabbit23000 mg/kgLD50 OralRat15000 mg/kgLC50 Inhalation DustsRat>4178 mg/m³and mistsRabbit2000 mg/kgLD50 DermalRat1.23 g/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
bis-[4-(2,3-epoxipropoxi) phenyl]propane	Eyes - Redness of the conjunctivae	Rabbit	0.4	24 hours	-
	Eyes - Mild irritant	Rabbit	-	24 hours	-
	Skin - Erythema/Eschar	Rabbit	0.8	4 hours	-
	Skin - Edema	Rabbit	0.5	4 hours	-
	Skin - Mild irritant	Rabbit	-	4 hours	-

Sensitization

Product/ingredient name	Route of exposure	Species	Result
pís-[4-(2,3-epoxipropoxi) phenyl]propane	skin	Mouse	Sensitizing
Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl- 1,3-propanediamine and 1,3-propanediamine	skin	Mouse	Sensitizing

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Section 11. Toxicological information

Aspiration hazard Name Result benzyl alcohol **ASPIRATION HAZARD - Category 2** Information on the likely : Not available. routes of exposure Potential acute health effects Eye contact : Causes serious eye irritation. Inhalation : Harmful if inhaled. **Skin contact** : Causes skin irritation. May cause an allergic skin reaction. Ingestion : No known significant effects or critical hazards. Symptoms related to the physical, chemical and toxicological characteristics : Adverse symptoms may include the following: Eye contact pain or irritation watering redness Inhalation : No specific data. Skin contact : Adverse symptoms may include the following: irritation redness : No specific data. Ingestion Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure **Potential immediate** : Not available. effects **Potential delayed effects** : Not available. Long term exposure **Potential immediate** : Not available. effects Potential delayed effects : Not available. Potential chronic health effects General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Carcinogenicity : No known significant effects or critical hazards. : No known significant effects or critical hazards. **Mutagenicity** : No known significant effects or critical hazards. **Reproductive toxicity** Numerical measures of toxicity

Acute toxicity estimates

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Section 11. Toxicological information

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)		Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
₩UKLAD SL 1500 BASE bis-[4-(2,3-epoxipropoxi)phenyl]propane benzyl alcohol	17021.4 15000 1230	23000	N/A	N/A N/A N/A	2.7 N/A 1.5

Other information

Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
bis-[4-(2,3-epoxipropoxi) phenyl]propane	Acute LC50 1.8 mg/l Fresh water	Daphnia - daphnia magna	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days

Persistence/degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
øs-[4-(2,3-epoxipropoxi) phenyl]propane	-	-	Not readily
benzyl alcohol	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
√,6-bis(2,3-epoxypropoxy) hexane	0.822	-	low
benzyl alcohol	0.87	-	low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

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Product code 00372439 Product name NUKLAD SL 1500 BASE Date of issue 18 May 2021

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	China	UN	IMDG	ΙΑΤΑ
UN number	UN3082	UN3082	UN3082	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	(bis-[4- (2,3-epoxipropoxi) phenyl]propane)	(bis-[4- (2,3-epoxipropoxi) phenyl]propane)	(bis-[4- (2,3-epoxipropoxi) phenyl]propane)	(bis-[4- (2,3-epoxipropoxi) phenyl]propane)
Transport hazard class(es)	9	9	9	9
Packing group	Ш	111	111	111
Environmental hazards	Yes.	Yes.	Yes.	Yes.
Marine pollutant substances	Not applicable.	Not applicable.	(bis-[4- (2,3-epoxipropoxi) phenyl]propane)	Not applicable.

Additional information

CN	: None identified.
UN	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
IMDG	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
ΙΑΤΑ	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

Section 15. Regulatory information

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China inventory (IECSC)	: All components are listed or exempted.
References	 Production Safety Law of the People's Republic of China Code of Occupational Disease Prevention of the People's Republic of China Environmental Protection Law of the People's Republic of China Fire Control Law of the People's Republic of China Regulations on the Control over Safety of Dangerous Chemicals Occupational exposure limits for hazardous agents in the workplace chemical hazardous agents (GBZ2.1) General rule for classification and hazard communication of chemicals (GB13690) Safety data sheet for chemical products - Content and order of sections (GB/ T16483) Guidance on the compilation of safety data sheet for chemical products (GB/ T17519) General rule for preparation of precautionary label for chemicals (GB15258) Safety rules for classification, precautionary labeling and precautionary statements of chemicals (GB30000.2-29)

Section 16. Other information	
<u>History</u>	
Date of issue/Date of revision	: 18 May 2021
Date of previous issue	: 11/1/2019
Version	: 6
	EHS
Key to abbreviations	 ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations
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Indicates information that has changed from previously issued version.

Notice to reader

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