

High-Purity Standards

Catalogue number: IC-CN-M

Version No: 3.4 Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

SECTION 1 IDENTIFICATION

Product Identifier

Product name	IC-CN-M Cyanide (1000µg/mL in H2O)
Synonyms	1000µg/mL Cyanide in H2O
Proper shipping name	Potassium hydroxide, solution (contains potassium hydroxide)
Other means of identification	IC-CN-M

Recommended use of the chemical and restrictions on use

Relevant identified uses Use according to manufacturer's directions.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	High-Purity Standards
Address	PO Box 41727 SC 29423 United States
Telephone	843-767-7900
Fax	843-767-7906
Website	highpuritystandards.com
Email	Not Available

Emergency phone number

Association / Organisation	INFOTRAC
Emergency telephone numbers	1-800-535-5053
Other emergency telephone numbers	1-352-323-3500

SECTION 2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

	Classification	Serious Eye Damage Category 1, Skin Corrosion/Irritation Category 1B, Metal Corrosion Category 1, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation)
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Label elements

GHS label elements	
SIGNAL WORD	DANGER

Hazard statement(s)

H318	Causes serious eye damage.
H314	Causes severe skin burns and eye damage.
H290	May be corrosive to metals.
H335	May cause respiratory irritation.

Chemwatch Hazard Alert Code: 4

Issue Date: 08/27/2016 Print Date: 08/27/2016 S.GHS.USA.EN

Hazard(s) not otherwise specified

Not Applicable

Precautionary statement(s) Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
Precautionary statement(s) Response	
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Precautionary statement(s) Storage	
P405	Store locked up.
Precautionary statement(s) Disposal	
P501	Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
151-50-8	0.1	potassium cyanide
1310-58-3	2	potassium hydroxide
7732-18-5	balance	water

SECTION 4 FIRST-AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	 If skin or hair contact occurs: Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre. Transport to hospital, or doctor.
Inhalation	 If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay. Inhalation of vapours or aerosols (mists, fumes) may cause lung oedema. Corrosive substances may cause lung damage (e.g. lung oedema, fluid in the lungs). As this reaction may be delayed up to 24 hours after exposure, affected individuals need complete rest (preferably in semi-recumbent posture) and must be kept under medical observation even if no symptoms are (yet) manifested. Before any such manifestation, the administration of a spray containing a dexamethasone derivative or beclomethasone derivative may be considered. This must definitely be left to a doctor or person authorised by him/her. (ICSC13719)
Ingestion	 For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed. If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Transport to hospital or doctor without delay.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

for corrosives: -----

BASIC TREATMENT

• Establish a patent airway with suction where necessary. Watch for signs of respiratory insufficiency and assist ventilation as necessary.

- Administer oxygen by non-rebreather mask at 10 to 15 l/min.
- Monitor and treat, where necessary, for pulmonary oedema.
- Monitor and treat, where necessary, for shock. ÷ Anticipate seizures.
- Where eves have been exposed, flush immediately with water and continue to irrigate with normal saline during transport to hospital.

> DO NOT use emetics. Where ingestion is suspected rinse mouth and give up to 200 ml water (5 ml/kg recommended) for dilution where patient is able to swallow, has a strong gag reflex and does not drool.

- Skin burns should be covered with dry, sterile bandages, following decontamination.
- DO NOT attempt neutralisation as exothermic reaction may occur.

ADVANCED TREATMENT

- + Consider orotracheal or nasotracheal intubation for airway control in unconscious patient or where respiratory arrest has occurred.
- Positive-pressure ventilation using a bag-valve mask might be of use.
- Monitor and treat, where necessary, for arrhythmias.
- Start an IV D5W TKO. If signs of hypovolaemia are present use lactated Ringers solution. Fluid overload might create complications.
- Drug therapy should be considered for pulmonary oedema.
- Hypotension with signs of hypovolaemia requires the cautious administration of fluids. Fluid overload might create complications.
- Treat seizures with diazepam.
- Proparacaine hydrochloride should be used to assist eye irrigation.

EMERGENCY DEPARTMENT

- + Laboratory analysis of complete blood count, serum electrolytes, BUN, creatinine, glucose, urinalysis, baseline for serum aminotransferases (ALT and AST), calcium, phosphorus and magnesium, may assist in establishing a treatment regime.
- Positive end-expiratory pressure (PEEP)-assisted ventilation may be required for acute parenchymal injury or adult respiratory distress syndrome.
- Consider endoscopy to evaluate oral injury.
- Consult a toxicologist as necessary.

BRONSTEIN, A.C. and CURRANCE, P.L. EMERGENCY CARE FOR HAZARDOUS MATERIALS EXPOSURE: 2nd Ed. 1994

SECTION 5 FIRE-FIGHTING MEASURES

Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

Special protective equipment and precautions for fire-fighters

Fire Fighting	
Fire/Explosion Hazard	Non combustible. May emit corrosive fumes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	 Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material. Clean up all spills immediately.
Major Spills	► Clear area of personnel and move upwind.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	 Avoid all personal contact, including inhalation. DO NOT allow clothing wet with material to stay in contact with skin
Other information	► Store in original containers.

Conditions for safe storage, including any incompatibilities

Suitable container	 Lined metal can, lined metal pail/ can. For low viscosity materials Drums and jerricans must be of the non-removable head type.
Storage incompatibility	Avoid strong acids, acid chlorides, acid anhydrides and chloroformates.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

	INGREDIENT DATA	

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Levels (PELs) - Table Z1	potassium cyanide	Cyanides	5 mg/m3	Not Available	Not Available	(as Cu)
US ACGIH Threshold Limit Values (TLV)	1-Methoxy-2-propapol		50 ppm	100 ppm	Not Available	TLV® Basis: Eye & URT irr
2-propanol, 2-lyletnoxy-1-methyletnanol, Propylene divcol		360 mg/m3 / 100 ppm	540 mg/m3 / 150 ppm	Not Available	Not Available	
US NIOSH Recommended potassium Exposure Limits (RELs) cyanide Sodium salt of hydrocyanic acid		Sodium salt of hydrocyanic acid	Not Available	Not Available	5 mg/m3 / 4.7 ppm	[10-minute]
US NIOSH Recommended Exposure Limits (RELs)	Potassium salt of hydrocyanic acid		Not Available	Not Available	5 mg/m3 / 4.7 ppm	[10-minute]
US ACGIH Threshold Limit potassium Values (TLV) bydroxide Potassium hydroxide		Not Available	Not Available	2 mg/m3	TLV® Basis: URT, eye, & skin irr	
US NIOSH Recommended Exposure Limits (RELs)	Caustic potash Lve Potassium hydrate		Not Available	Not Available	2 mg/m3	Not Available

EMERGENCY LIMITS

Ingredient	Material name	Material name			TEEL-3	
potassium cyanide	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	150 ppm	150 ppm	470 ppm		
potassium cyanide	Sodium cyanide			Not Available	Not Available	
potassium cyanide	Potassium cyanide		Not Available	Not Available	Not Available	
potassium hydroxide	Potassium hydroxide		0.18 mg/m3	2 mg/m3	54 mg/m3	
Ingredient	edient Original IDLH Re			Revised IDLH		
potassium cyanide	um cyanide 50 mg/m3 25 mg/m3		25 mg/m3			
potassium hydroxide	ssium hydroxide Not Available Not					
water Not Available Not			t Available			

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.		
Personal protection			
Eye and face protection	Safety glasses with unperforated side shields may be used where continuous eye protection is desirable, as in laboratories; spectacles are not sufficient where complete eye protection is needed such as when handling bulk-quantities, where there is a danger of splashing, or if the material may be under pressure.		
Skin protection	See Hand protection below		
Hands/feet protection	 Elbow length PVC gloves When handling corrosive liquids, wear trousers or overalls outside of boots, to avoid spills entering boots. The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. 		
Body protection	See Other protection below		
Other protection	► Overalls.		
Thermal hazards	Not Available		

Respiratory protection

Type A Filter of sufficient capacity.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	colorless		
Physical state	Liquid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available

Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	tee section 7			
Chemical stability	 Unstable in the presence of incompatible materials. 			
Possibility of hazardous reactions	See section 7			
Conditions to avoid	pe section 7			
Incompatible materials	See section 7			
Hazardous decomposition products	See section 5			

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful. The material can cause respiratory irritation in some persons.						
Ingestion	Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. The material can produce severe chemical burns within the oral cavity and gastrointestinal tract following ingestion.						
Skin Contact	Skin contact with the material may be harmful; systemic effects may result following absorption. The material can produce severe chemical burns following direct contact with the skin. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.						
Eye	The material can produce severe chemical burns to the eye follo If applied to the eyes, this material causes severe eye damage.	wing direct cor	ntact.				
Chronic	Repeated or prolonged exposure to corrosives may result in the erosion of teeth, inflammatory and ulcerative changes in the mouth and necrosis (rarely) of the jaw. Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.						
	ΤΟΧΙCΙΤΥ		IRRITATION				
IC-CN-M Cyanide (1000µg/mL in H2O)	Not Available	IRRITATION Not Available					
potassium cyanide	TOXICITY IRRITATION Dermal (rabbit) LD50: 2.34 mg/kg ^[1] Nil reported Inhalation (rat) LC50: ca.0.068 mg/L6 hr ^[1] Nil Inhalation (rat) LC50: ca.0.144 mg/L1 hr ^[1] Cral (rat) LD50: 5 mg/kg ^[2]						
potassium hydroxide Skin (human): 50 mg/24			rabbit):1mg/24h rinse-moderate human): 50 mg/24h SEVERE rabbit): 50 mg/24h SEVERE				
water	TOXICITY Oral (rat) LD50: >90000 mg/kg ^[2]			IRRITATIO Not Availa	-		
Legend:	Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances						

🚫 – Data Not Available to make classification

IC-CN-M Cyanide (1000µg/mL in H2O)

POTASSIUM HYDROXIDE	The material may produce moderate eye irritation leading to inflammation. The material may cause severe skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.						
WATER	No significant acute toxicological data identified in literature	No significant acute toxicological data identified in literature search.					
IC-CN-M Cyanide (1000µg/mL in H2O) & POTASSIUM HYDROXIDE	Asthma-like symptoms may continue for months or even years after exposure to the material ceases.						
Acute Toxicity	0	Carcinogenicity	0				
Skin Irritation/Corrosion	×	Reproductivity	0				
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	✓				
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	0				
Mutagenicity	S Aspiration Hazard						
		- S	 Data available but does not fill the criteria for classification Data required to make classification available 				

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Ingredient			Value	Source	
potassium cyanide			0.0235mg/L	2	
potassium cyanide	EC50	48	Crustacea	0.0124mg/L	2
potassium cyanide	EC50	72	Algae or other aquatic plants	0.057mg/L	2
potassium cyanide	EC50	168	Algae or other aquatic plants	0.0116mg/L	2
potassium cyanide	NOEC	168	Algae or other aquatic plants	0.0037mg/L	2
potassium hydroxide	LC50	96	Fish	80mg/L	2
potassium hydroxide	NOEC	24	Fish	28mg/L	2
water	LC50	96	Fish	897.520mg/L	3
water	EC50	96	Algae or other aquatic plants	8768.874mg/L	3
water	EC50	384	Crustacea	199.179mg/L	3
Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Su Legend: Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data					

Prevent, by any means available, spillage from entering drains or water courses. DO NOT discharge into sewer or waterways

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air	
potassium cyanide	LOW (Half-life = 56 days)	LOW (Half-life = 1.7 days)	
water	LOW	LOW	

Bioaccumulative potential

Ingredient	Bioaccumulation
potassium cyanide	LOW (BCF = 2)
water	LOW (LogKOW = -1.38)

Mobility in soil

Ingredient	Mobility
potassium cyanide	HIGH (KOC = 1)
water	LOW (KOC = 14.3)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

	 Containers may still present a chemical hazard/ danger when empty.
Product / Packaging	Legislation addressing waste disposal requirements may differ by country, state and/ or territory.
disposal	DO NOT allow wash water from cleaning or process equipment to enter drains.
	Recycle wherever possible.

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IC-CN-M Cyanide (1000µg/mL in H2O)

Labels Required

	CORROSPE 8
Marine Pollutant	NO

Land transport (DOT)

UN number	814		
UN proper shipping name	Potassium hydroxide, solution (contains potassium hydroxide)		
Transport hazard class(es)	Class8SubriskNot Applicable		
Packing group	I		
Environmental hazard	Not Applicable		
Special precautions for user	Hazard Label8Special provisionsB2, IB2, T7, TP2		

Air transport (ICAO-IATA / DGR)

UN number	1814			
UN proper shipping name	Potassium hydroxide solution (contains potassium hydroxide)			
Transport hazard class(es)	ICAO/IATA Class ICAO / IATA Subrisk ERG Code	8 Not Applicable 8L		
Packing group	II	I		
Environmental hazard	Not Applicable			
Special precautions for user	Passenger and Cargo Passenger and Cargo		A3A803 855 30 L 851 1 L Y840 0.5 L	

Sea transport (IMDG-Code / GGVSee)

UN number	1814		
UN proper shipping name	POTASSIUM HYDROXIDE SOLUTION (contains potassium hydroxide)		
Transport hazard class(es)	IMDG Class8IMDG SubriskNot Applicable		
Packing group	II Contraction of the second sec		
Environmental hazard	Not Applicable		
Special precautions for user	EMS NumberF-A, S-BSpecial provisionsNot ApplicableLimited Quantities1 L		

Transport in bulk according to Annex II of MARPOL and the IBC code

Source	Product name	Pollution Category	Ship Type
IMO MARPOL (Annex II) - List of Noxious Liquid Substances Carried in Bulk	Potassium hydroxide solution	Y	3

SECTION 15 REGULATORY INFORMATION

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IC-CN-M Cyanide (1000µg/mL in H2O)

Safety, health and environmental regulations / legislation specific for the substance or mixture

POTASSIUM CYANIDE(151-50-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Alaska Limits for Air Contaminants	US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air	
US - California - Proposition 65 - Priority List for the Development of MADLs for Chemicals	Contaminants	
Causing Reproductive Toxicity	US - Washington Permissible exposure limits of air contaminants	
US - California OEHHA/ARB - Acute Reference Exposure Levels and Target Organs (RELs)	US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values	
US - California OEHHA/ARB - Chronic Reference Exposure Levels and Target Organs	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants	
(CRELs)	US ACGIH Threshold Limit Values (TLV)	
US - California Permissible Exposure Limits for Chemical Contaminants	US ACGIH Threshold Limit Values (TLV) - Carcinogens	
US - California Proposition 65 - No Significant Risk Levels (NSRLs) for Carcinogens	US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs)	
US - California Proposition 65 - Reproductive Toxicity	US EPA Carcinogens Listing	
US - Hawaii Air Contaminant Limits	US EPCRA Section 313 Chemical List	
US - Idaho - Limits for Air Contaminants	US NIOSH Recommended Exposure Limits (RELs)	
US - Michigan Exposure Limits for Air Contaminants	US OSHA Permissible Exposure Levels (PELs) - Table Z1	
US - Minnesota Permissible Exposure Limits (PELs)	US SARA Section 302 Extremely Hazardous Substances	
US - Oregon Permissible Exposure Limits (Z-1)	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory	
US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants		
US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants		
POTASSIUM HYDROXIDE(1310-58-3) IS FOUND ON THE FOLLOWING REGULATORY LIS	its	

Contaminants

US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US - Washington Permissible exposure limits of air contaminants

US ACGIH Threshold Limit Values (TLV)

US NIOSH Recommended Exposure Limits (RELs)

- US Alaska Limits for Air Contaminants
- US Hawaii Air Contaminant Limits
- US Michigan Exposure Limits for Air Contaminants
- US Minnesota Permissible Exposure Limits (PELs)
- US Tennessee Occupational Exposure Limits Limits For Air Contaminants
- US Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants

WATER(7732-18-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SECTION 311/312 HAZARD CATEGORIES

Immediate (acute) health hazard	Yes
Delayed (chronic) health hazard	No
Fire hazard	No
Pressure hazard	No
Reactivity hazard	No

US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

Name	Reportable Quantity in Pounds (Ib)	Reportable Quantity in kg
Sodium cyanide Na(CN)	10	4.54
Potassium cyanide K(CN)	10	4.54
Potassium hydroxide	1000	454

State Regulations

US. CALIFORNIA PROPOSITION 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm

US - CALIFORNIA PREPOSITION 65 - CARCINOGENS & REPRODUCTIVE TOXICITY (CRT): LISTED SUBSTANCE

Hydrogen cyanide (HCN) and cyanide salts (CN salts): Sodium cyanide, Hydrogen cyanide (HCN) and cyanide salts (CN salts): Potassium cyanide Listed

National Inventory	Status
Australia - AICS	Υ
Canada - DSL	Y
Canada - NDSL	N (water; potassium cyanide; potassium hydroxide)
China - IECSC	Y
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	N (water)
Korea - KECI	Υ
New Zealand - NZIoC	Y
Philippines - PICCS	Υ
USA - TSCA	Y
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chernwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.

Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average PC-STEL: Permissible Concentration-Short Term Exposure Limit IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit。 IDLH: Immediately Dangerous to Life or Health Concentrations OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value BCF: BioConcentration Factors BEI: Biological Exposure Index This document is copyright.

