

Calcium Gluconate / Magnesium Hypophosphite Hexahydrate Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0	2024/09/28	6300137-00011	Date of first issue: 2020/09/02

1. PRODUCT AND COMPANY IDENTIFICATION

Chemical product name :		Calcium Gluconate / Magnesium Hypophosphite Hexahydrate Formulation	
Supplier's company name, ad	ddr	ess and phone number	
Company name of supplier	:	MSD	
Address	:	Kumagaya, Saitama Prefecture, Xicheng 810 MSD Co., Ltd. Menuma factory	
Telephone	:	048-588-8411	
E-mail address	:	EHSDATASTEWARD@msd.com	
Emergency telephone number	:	+1-908-423-6000	

Recommended use of the chemical and restrictions on use

Recommended use	:	Veterinary product
Restrictions on use	:	Not applicable

2. HAZARDS IDENTIFICATION

GHS classification of chem	ical product
Reproductive toxicity	: Category 1B
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	: H360FD May damage fertility. May damage the unborn child.
Precautionary statements	 Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response:



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P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:

P405 Store locked up.

Disposal:

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

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
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Components

Chemical name	CAS-No.	Concentration (% w/w)	ENCS No.
Boric acid	10043-35-3	>= 1 - < 10	1-63
4-Chloro-3-methylphenol	59-50-7	>= 0.1 - < 1	3-900

4. FIRST AID MEASURES

General advice	:	vice immediately.
		When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water.
		Remove contaminated clothing and shoes.
		Get medical attention.
		Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	÷	
in case of eye contact	•	Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting.
		Get medical attention.
		Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	May damage fertility. May damage the unborn child.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection,
		and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.



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5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire- fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Metal oxides Oxides of phosphorus Boron oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions :	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dis-



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		employe mine wh Sections	this material, as well as those materials and items d in the cleanup of releases. You will need to deter- ich regulations are applicable. 13 and 15 of this SDS provide information regarding ocal or national requirements.
7. HANDL	ING AND STORAGE		
Hanc Tech	lling nical measures		ineering measures under EXPOSURE DLS/PERSONAL PROTECTION section.
Loca	I/Total ventilation	: If sufficie ventilatio	ent ventilation is unavailable, use with local exhaust
Avoic	e on safe handling dance of contact ene measures	Do not b Do not s Avoid co Handle i practice, sessmer Keep co Take ca environn : Oxidizing If exposi flushing place. When us Wash co The effe enginee appropri industria	ntact with eyes. n accordance with good industrial hygiene and safety based on the results of the workplace exposure as- nt ntainer tightly closed. re to prevent spills, waste and minimize release to the nent.
	age litions for safe storage rials to avoid	Store loo Keep tig Store in : Do not s	properly labelled containers. ked up. htly closed. accordance with the particular national regulations. tore with the following product types: xidizing agents
Pack	aging material	: Unsuitat	le material: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold limit value and permissible exposure limits for each component in the work environment



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Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Concentra- tion standard / Permissible con- centration	Basis
Boric acid	10043-35-3	TWA (Inhal- able particu- late matter)	2 mg/m3 (Borate)	ACGIH
		STEL (Inhal- able particu- late matter)	6 mg/m3 (Borate)	ACGIH
4-Chloro-3-methylphenol	59-50-7	TWA	200 µg/m3 (OEB 2)	Internal
		Wipe limit	100 µg/100 cm2	Internal

Engineering measures :	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face con- tainment devices). Minimize open handling.
Personal protective equipmen	t
Respiratory protection:Filter type:Hand protection	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type
Material :	Chemical-resistant gloves
Remarks : Eye protection :	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection :	Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

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F	Physical state	:	liquid	
C	Colour	:	Colorless to pale	yellow
C	Ddour	:	No data available	•
C	Ddour Threshold	:	No data available	•
Ν	felting point/freezing point	:	No data available	•
	Boiling point, initial boiling point and boiling range	:	No data available	
F	lammability (solid, gas)	:	Not applicable	
F	lammability (liquids)	:	No data available	•
L	ower explosion limit and uppe Upper explosion limit / Up- per flammability limit			
	Lower explosion limit / Lower flammability limit	:	No data available	
F	lash point	:	No data available	•
0	Decomposition temperature	:	No data available	,
þ	Н	:	3.7	
E	vaporation rate	:	No data available	
A	uto-ignition temperature	:	No data available	
١	/iscosity Viscosity, kinematic	:	No data available	
S	Solubility(ies) Water solubility	:	No data available	
	Partition coefficient: n- octanol/water	:	Not applicable	
١	/apour pressure	:	No data available	
C	Density and / or relative densit Relative density	: У :	No data available	
	Density	:	No data available	
F	Relative vapour density	:	No data available	



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Explo	sive properties	:	Not explosive		
Oxidizing properties		:	The substance of	or mixture is not classified as oxidizing.	
Molecular weight		:	No data available		
	le characteristics article size	:	Not applicable		

10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	Can react with strong oxidizing agents.
tions		
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact

Acute toxicity

Not classified based on available information.

Components:

Boric acid:

Acute oral toxicity	: LD50 (Rat): 3,450 mg/kg
Acute inhalation toxicity	 LC50 (Rat): > 2.03 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhala- tion toxicity
Acute dermal toxicity	: LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity



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4-Chl	oro-3-methylphenol	:		
Acute	oral toxicity	:	LD50 (Mouse):	600 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 2 Exposure time: Test atmospher	4 h
Acute	e dermal toxicity	:	LD50 (Rat): > 5	,000 mg/kg
-	corrosion/irritation lassified based on ava	ailable	information.	
Com	oonents:			
Boric	acid:			
Speci	es	:	Rabbit	
Resu	lt	:	No skin irritatior	1
4-Chl	oro-3-methylphenol	:		
Speci	es	:	Rabbit	
Metho		:	OECD Test Guideline 404	
Resu	lt	:	Corrosive after	1 to 4 hours of exposure
Serio	us eye damage/eye	irritati	on	
Not cl	lassified based on ava	ailable	information.	
Comp	ponents:			
Boric	acid:			
Speci		:	Rabbit	
Resu	lt	:	No eye irritation	
4-Chl	oro-3-methylphenol	:		
Speci	es	:	Rabbit	
Resu		:	Irreversible effe	
Metho	bc	:	OECD Test Gui	deline 405

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Boric acid:

Test Type

: Buehler Test



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Speci Metho	bc	: Skin contact : Guinea pig : OECD Test (Guideline 406
Resul		: negative	
4-Chi Test	oro-3-methylphenol	: : Maximisatior	Test
Expos Speci	sure routes les	: Skin contact : Guinea pig	
Asses	ssment	: Probability or rate in huma	r evidence of low to moderate skin sensitisation ns
	cell mutagenicity lassified based on ava	ailable information.	
<u>Com</u>	oonents:		
Boric	acid:		
Geno	toxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
		Test Type: Ir Result: equiv	n vitro mammalian cell gene mutation test rocal
		Test Type: C Result: nega	hromosome aberration test in vitro tive
Geno	toxicity in vivo	cytogenetic a Species: Mor	use Route: Ingestion
4-Chl	oro-3-methylphenol	:	
Geno	toxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
	nogenicity lassified based on ava	ailable information.	
	ponents:		
Boric	acid:		
	cation Route sure time	: Mouse : Ingestion : 103 weeks : negative	



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Reproductive toxicity

May damage fertility. May damage the unborn child.

Components:

Boric acid:	
Effects on fertility	: Test Type: Three-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: positive
Effects on foetal develop- ment	: Test Type: Embryo-foetal development Species: Rabbit Application Route: Ingestion Result: positive
Reproductive toxicity - As- sessment	: Clear evidence of adverse effects on sexual function and fertil ity, based on animal experiments., Clear evidence of adverse effects on development, based on animal experiments.
4-Chloro-3-methylphenol:	
Effects on fertility	: Test Type: One-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative
Effects on foetal develop- ment	: Test Type: Reproduction/Developmental toxicity screening test Species: Rat Application Route: Ingestion

Result: negative

STOT - single exposure

Not classified based on available information.

Components:

4-Chloro-3-methylphenol:

Assessment

: May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Boric acid:	
Species NOAEL	: Rat
NOAEL	: 100 mg/kg



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LOAEL Application Route Exposure time	: 334 mg/kg
Application Route	: Ingestion
Exposure time	: 2 yr

4-Chloro-3-methylphenol:

: Rat
: 200 mg/kg
: 400 mg/kg
: Ingestion
: 28 Days

Aspiration toxicity

Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Boric	acid
DOILC	acia.

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 74 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia (water flea)): 102 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 52.4 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 17.5 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to fish (Chronic tox- icity)	:	NOEC (Danio rerio (zebra fish)): 6.4 mg/l Exposure time: 34 d Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 10.8 mg/l Exposure time: 21 d
Toxicity to microorganisms	:	EC10: 35.4 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

4-Chloro-3-methylphenol:



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Toxicity to fish:LC50 (Oncorhynchus mykiss Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates:EC50 (Daphnia magna (Wat Exposure time: 48 h Method: OECD Test GuideliToxicity to algae/aquatic plants:ErC50 (Chlorella pyrenoidos Exposure time: 72 h Method: OECD Test GuideliEC10 (Chlorella pyrenoidosa Exposure time: 72 h Method: OECD Test GuideliEC10 (Chlorella pyrenoidosa Exposure time: 72 h Method: OECD Test GuideliM-Factor (Acute aquatic tox-:1	ter flea)): 1.5 mg/l ne 202 a (algae)): 15 mg/l
 Exposure time: 96 h Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Wat Exposure time: 48 h Method: OECD Test Guideli Toxicity to algae/aquatic plants ErC50 (Chlorella pyrenoidos Exposure time: 72 h Method: OECD Test Guideli EC10 (Chlorella pyrenoidos Exposure time: 72 h Method: OECD Test Guideli 	ter flea)): 1.5 mg/l ne 202 a (algae)): 15 mg/l
aquatic invertebratesExposure time: 48 h Method: OECD Test GuideliToxicity to algae/aquatic plants: ErC50 (Chlorella pyrenoidos Exposure time: 72 h Method: OECD Test GuideliEC10 (Chlorella pyrenoidos Exposure time: 72 h Method: OECD Test Guideli	ne 202 a (algae)): 15 mg/l
plants Exposure time: 72 h Method: OECD Test Guideli EC10 (Chlorella pyrenoidosa Exposure time: 72 h Method: OECD Test Guideli	
Exposure time: 72 h Method: OECD Test Guideli	
M-Factor (Acute aquatic tox- : 1	
icity) Toxicity to daphnia and other : NOEC (Daphnia magna (Wa aquatic invertebrates (Chron- ic toxicity) : NOEC (Daphnia magna (Wa Exposure time: 21 d Method: OECD Test Guideli	
Toxicity to microorganisms : EC50: 22.86 mg/l Exposure time: 60 h	
Persistence and degradability	
Components:	
4-Chloro-3-methylphenol: Biodegradability : Result: Readily biodegradab Biodegradation: 78 % Exposure time: 15 d Method: OECD Test Guideli	
Bioaccumulative potential	
Components:	
Boric acid:	
Bioaccumulation : Species: Cyprinus carpio (C Bioconcentration factor (BCI Method: OECD Test Guideli	=): <= 3.2
Partition coefficient: n- : log Pow: -1.09 octanol/water	
4-Chloro-3-methylphenol:	
Bioaccumulation : Species: Cyprinus carpio (C Bioconcentration factor (BCI	
Partition coefficient: n- : log Pow: 0.477): 5.5 - 15



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Octanol/water Mobility in soil No data available Hazardous to the ozone layer Not applicable Other adverse effects No data available

13. DISPOSAL CONSIDERATIONS

Disposal	methods
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Waste from residues	:	Dispose of in accordance with local regulations. Do not dispose of waste into sewer.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number Proper shipping name Class	:	Not applicable Not applicable Not applicable
Subsidiary risk Packing group Labels Environmentally hazardous	:	Not applicable Not applicable Not applicable no
IATA-DGR UN/ID No. Proper shipping name Class Subsidiary risk Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)		Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
IMDG-Code UN number Proper shipping name Class Subsidiary risk Packing group Labels	:	Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable



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EmS Code:Not applicableMarine pollutant:Not applicable

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

Not applicable for product as supplied.

National Regulations

Refer to section 15 for specific national regulation.

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

Related Regulations

Fire Service Law

Not applicable to dangerous materials / designated flammables.

Chemical Substance Control Law

Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacture

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable

Substances Prevented From Impairment of Health

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

Substances Subject to be Notified Names

Article 57-2 (Enforcement Order Table 9)

Chemical name	Concentration (%)	Remarks
Boric acid	>=1 - <10	-
4-Chloro-3-methylphenol	>=0.1 - <1	From April 1st, 2025

Substances Subject to be Indicated Names

Article 57 (Enforcement Order Article 18)

Chemical name	Remarks
Boric acid	-

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		Ibstances for PPE Re	quirements (ISHL MO Art. 594-2)
Carc tions		s (Article 577-2 of the	Occupational Health and Safety Regula-
	nance on Preventior applicable	of Hazards Due to Sp	pecified Chemical Substances
	nance on Preventior applicable	of Lead Poisoning	
	nance on Preventior applicable	of Tetraalkyl Lead Po	bisoning
	nance on Preventior applicable	of Organic Solvent P	oisoning
	prcement Order of the stances)	e Industrial Safety and	d Health Law - Attached table 1 (Dangerous
Not a	applicable		
Pois	onous and Deleterio	us Substances Contro	ol Law
Not a	applicable		
			of Specific Chemical Substances in the En- the Management Thereof

Not applicable

High Pressure Gas Safety Act

Not applicable

Explosive Control Law

Not applicable

Vessel Safety Law

Not regulated as a dangerous good

Aviation Law

Not regulated as a dangerous good

Marine Pollution and Sea Disaster Prevention etc Law

Bulk transportation : Not classified as noxious liquid substance

Pack transportation

: Not classified as marine pollutant

Narcotics and Psychotropics Control Act

Narcotic or Psychotropic Raw Material (Export / Import Permission) Not applicable Specific Narcotic or Psychotropic Raw Material (Export / Import permission) Not applicable



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Waste Disposal and Public Cleansing Law Industrial waste			
The components of this pro DSL	duc :	ct are reported in the following inventories: not determined	
AICS	:	not determined	
IECSC	:	not determined	

16. OTHER INFORMATION

In this SDS, if the concentration of substances subject to notification under the Industrial Safety and Health Law is indicated as a range, it includes cases where it is a trade secret.

Further information

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data		eChem Portal search results and European Chemicals Agen-
Sheet		cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format	:	yyyy/mm/dd			
Full text of other abbreviations					
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)			
ACGIH / TWA ACGIH / STEL		8-hour, time-weighted average Short-term exposure limit			

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New



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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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

JP / EN