SAFETY DATA SHEET

BOMMER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06.02.2024	50001113	Date of first issue: 06.02.2024

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical product identification : BOMMER®

Recommended use of the chemical and restrictions on use

Recommended use : A fertilizer with micronutrients for use in agriculture and horticulture

Restrictions on use : Use as recommended by the label.

Manufacturer or supplier's details

Company name of supplier : FMC AGRO LIMITED

Supplier's address : RECTORS LANE
PENTRE
FLINTSHIRE
CH5 2DH
UNITED KINGDOM
TEL: + 44 1244 537370
E-MAIL: FMC.AGRO.UK@FMC.COM

E-mail address : SDS-Info@fmc.com

Emergency and toxicological information number in Chile : Chile: Spills: CITUC: +56 2 2247 3600 (24 hours) Fire: 132 (24 hours)
+56-22-5814934 (CHEMTREC - Chile)
1 703 / 741-5970 (CHEMTREC - International)

Medical Emergency Number : Chile: CITUC: +56 2 2635 3800 (24 hours)

SECTION 2. HAZARDS IDENTIFICATION

Classification according to NCh382 : No data available

Label according to NCh2190 : No data available

GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 1

Reproductive toxicity : Category 1B

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

GHS label elements

Hazard pictograms :

Signal Word : Danger

Hazard Statements : H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
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.
P261 Avoid breathing mist or vapors.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:

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

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Systematic chemical name	Common Name	CAS-No.	Concentration or range (% w/w)	Classification
boric acid	boric acid	10043-35-3	>= 50 - < 70	Reproductive toxicity, Category 1B
2-aminoethanol	2-aminoethanol	141-43-5	>= 10 - < 20	Acute toxicity (Oral), Category 4 Acute toxicity (Inhalation), Category 4 Acute toxicity (Dermal), Category 4 Skin corrosion, Subcategory 1B Serious eye damage, Category 1 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Long-term (chronic) aquatic hazard, Category 3
Molybdic acid, disodium salt, dihydrate	molybdic acid, disodium salt, dihydrate	10102-40-6	>= 1 - < 5	Not Classified

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

Inhalation : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

Skin contact : Wash off with soap and water.
If symptoms persist, call a physician.
Wash contaminated clothing before re-use.

Eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

Ingestion	:	Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	:	Skin contact may result in itching and redness. Eye contact may result in itching, watery eyes, light sensitivity, pain, and/or blurred vision. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May damage fertility. May damage the unborn child.
Protection of first-aiders	:	Avoid inhalation, ingestion and contact with skin and eyes.
Notes to physician	:	Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	:	Do not spread spilled material with high-pressure water streams.
Hazardous combustion products	:	Fire may produce irritating, corrosive and/or toxic gases.
Thermal decomposition	:	See Section 10 for any thermal decomposition products, if applicable.
Related specific hazards	:	Do not allow run-off from fire fighting to enter drains or water courses.
Specific extinguishing methods	:	Remove undamaged containers from fire area if it is safe to do so. Use a water spray to cool fully closed containers. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Recomendations for firefighters	:	Firefighters should wear protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emer-	:	Evacuate personnel to safe areas. Use personal protective equipment.

gency procedures		If it can be safely done, stop the leak. Do not touch or walk through the spilled material.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and material for containment and cleaning up	:	Never return spills in original containers for re-use. Collect as much of the spill as possible with a suitable absorbent material. Pick up and transfer to properly labeled containers. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe handling	:	Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.
Operational and technical measures	:	Normal measures for preventive fire protection.
Contact prevention	:	Avoid contact with skin, eyes and clothing. Do not inhale aerosol. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

Storage

Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
Further information on storage stability	:	No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible maximum concentration	Basis
boric acid	10043-35-3	TWA (Inhalable particulate matter)	2 mg/m3 (Borate)	ACGIH
		STEL (Inhalable particulate matter)	6 mg/m3 (Borate)	ACGIH
2-aminoethanol	141-43-5	TWA	3 ppm	ACGIH
		STEL	6 ppm	ACGIH
Molybdic acid, disodium salt, dihydrate	10102-40-6	LPP	8,75 mg/m3 (Molybdenum)	CL OEL
		LPP	4,38 mg/m3 (Molybdenum)	CL OEL
		Further information: Substances classified as 'A.3', have not been shown to be carcinogenic to humans but they are carcinogenic to laboratory animals		
		TWA (Inhalable particulate matter)	10 mg/m3 (Molybdenum)	ACGIH
		TWA (Respirable particulate matter)	3 mg/m3 (Molybdenum)	ACGIH
		TWA (Respirable particulate matter)	0,5 mg/m3 (Molybdenum)	ACGIH

Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection

Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Face-shield

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Wear suitable protective equipment.
Ensure that eye flushing systems and safety showers are located close to the working place.

Always have on hand a first-aid kit, together with proper instructions.
Plan first aid action before beginning work with this product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	liquid
Form	:	liquid
Color	:	yellowish-brown
Odor	:	Faint odour
Odor Threshold	:	No data available
pH	:	7,8 - 8,5 Concentration: 100 %
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not determined, but expected to be > 95°C
Evaporation rate	:	No data available
Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Vapor density	:	No data available
Relative density	:	1,34 - 1,36
Density	:	No data available
Solubility(ies) Water solubility	: :	 No data available
Partition coefficient: n-octanol/water	:	No data available

Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	Non-oxidizing
Molecular weight	:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Heat, flames and sparks. Avoid extreme temperatures. Avoid formation of aerosol.
Incompatible materials	:	Avoid strong acids, bases, and oxidizers.
Hazardous decomposition products	:	toxic fumes

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity (LD50 and LC50)

Not classified due to lack of data.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method

Components:

boric acid:

Acute oral toxicity : LD50 (Rat, male): > 2.600 mg/kg
Method: OECD Test Guideline 401
Remarks: no mortality

Acute inhalation toxicity : LC0 (Rat, male and female): > 2,03 mg/l
Exposure time: 5 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Remarks: no mortality

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2.000 mg/kg
Remarks: no mortality

2-aminoethanol:

Acute oral toxicity : LD50 Oral (Rat, male and female): 1.515 mg/kg

LD50 Oral (Rat, male and female): 1.089 mg/kg
Symptoms: Fatality

Acute inhalation toxicity : LC0 (Rat, male and female): 1,3 mg/l
Exposure time: 6 h
Test atmosphere: vapor
Remarks: no mortality
Highest attainable concentration.

Acute dermal toxicity : LD50 (Rabbit, male): 2.504 mg/kg
Symptoms: Fatality, Necrosis, Erythema, Lethargy

LD50 (Rabbit, female): 2.881 mg/kg
Symptoms: Fatality, Necrosis, Erythema, Lethargy

Skin corrosion/irritation

Causes skin irritation.

Product:

Assessment : Irritating to skin.
Remarks : Expert judgment

Components:

boric acid:

Species : Rabbit
Result : No skin irritation

2-aminoethanol:

Species : Rabbit
Result : Corrosive after 3 minutes to 1 hour of exposure

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks : May cause irreversible eye damage.

Components:

boric acid:

Species : Rabbit
Result : slight irritation

2-aminoethanol:

Species : Rabbit
Result : Corrosive

Respiratory or skin sensitization

Skin sensitization

Not classified due to lack of data.

Respiratory sensitization

Not classified due to lack of data.

Components:

boric acid:

Test Type : Buehler Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.

2-aminoethanol:

Test Type : Maximization Test
Routes of exposure : Intradermal
Species : Guinea pig
Result : Does not cause skin sensitization.

Reproductive cells/in vitro mutagenicity

Not classified due to lack of data.

Components:

boric acid:

Genotoxicity in vitro : Test Type: reverse mutation assay
Result: negative

Test Type: sister chromatid exchange assay
Result: negative

Test Type: gene mutation test
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse (male and female)
Application Route: Oral

Result: negative

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

2-aminoethanol:

Genotoxicity in vitro : Test Type: reverse mutation assay
Result: negative

Test Type: Chromosome aberration test in vitro
Result: negative

Test Type: gene mutation test
Method: OECD Test Guideline 476
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse (male and female)
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

Not classified due to lack of data.

Components:

boric acid:

Species	:	Mouse, male and female
Application Route	:	Oral
Exposure time	:	103 weeks
Dose	:	0, 446, 1150mg/kg/bw/day
	:	> 1.150 mg/kg bw/day
Result	:	negative

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

Reproductive toxicity

May damage fertility. May damage the unborn child.

Components:

boric acid:

Effects on fertility : Test Type: Three-generation study
Species: Rat, male and female
Application Route: Oral
Dose: 5.9, 17.5, 58.5(mgb)/kg/bw/d
General Toxicity Parent: LOAEL: 58,5 mg/kg bw/day
General Toxicity F1: LOAEL: 58,5 mg/kg bw/day
General Toxicity F2: LOAEL: 58,5 mg/kg bw/day

Result: negative

Effects on fetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Oral
Dose: 3.3, 6.3, 9.6, 13.3, 25mgb/kg
General Toxicity Maternal: LOAEL: 13,3 mg/kg bw/day
Embryo-fetal toxicity.: NOAEL: >= 12,9 mg/kg bw/day
Method: OECD Test Guideline 414
Result: negative

Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

2-aminoethanol:

Effects on fertility : Test Type: Two-generation study
Species: Rat, male and female
Application Route: Oral
Dose: 100, 300, 1000 mg/kg bw/day
General Toxicity Parent: LOAEL: 1.000 mg/kg bw/day
General Toxicity F1: NOAEL: 1.000 mg/kg bw/day
General Toxicity F2: NOAEL: 1.000 mg/kg bw/day
Method: OECD Test Guideline 416
Result: negative

Effects on fetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Oral
Dose: 0, 40, 120, 450 mg/kg/bw
General Toxicity Maternal: LOAEL: 450 mg/kg bw/day
Teratogenicity: NOAEL: >= 450 mg/kg bw/day
Symptoms: Maternal effects.
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

Specific particular organ toxicity - single exposure

May cause respiratory irritation.

Components:

2-aminoethanol:

Assessment : May cause respiratory irritation.

Specific particular organ toxicity - repeated exposure

Not classified due to lack of data.

Components:

boric acid:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

boric acid:

Species	:	Rat, male and female
LOAEL	:	58.5 mg/kg bw/day
Application Route	:	Oral - feed
Exposure time	:	2 years
Dose	:	0, 5.9, 17.5, 58.5mg/kg/bw/d

Species	:	Rat, female
NOAEC	:	0,47 mg/l
Application Route	:	inhalation (dust/mist/fume)
Dose	:	.077, .175, .47 mg/l

2-aminoethanol:

Species	:	Rat, male and female
LOAEL	:	1000 mg/kg bw/day
Application Route	:	Oral
Exposure time	:	>75d
Dose	:	100, 300, 1000 mg/kg bw/day

Species	:	Rat, male and female
NOAEC	:	0,01 mg/l
Application Route	:	Inhalation
Test atmosphere	:	dust/mist
Exposure time	:	28d
Dose	:	0.01, 0.05, 0.15mg/l
Method	:	OECD Test Guideline 412

Species	:	Rat, male and female
NOEC	:	0,15 mg/l
Application Route	:	Inhalation
Test atmosphere	:	dust/mist
Exposure time	:	28d
Dose	:	0.01, 0.05, 0.15mg/l
Method	:	OECD Test Guideline 412

Inhalation hazard

Not classified due to lack of data.

Further information

Product:

Remarks	:	No data available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Components:

boric acid:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 79,7 mg/l Exposure time: 96 h Test Type: static test Remarks: Based on data from similar materials LC50 (Limanda limanda): 74 mg/l Exposure time: 96 h Test Type: flow-through test Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Ceriodaphnia dubia (water flea)): 102 mg/l Exposure time: 48 h Test Type: static test
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 40,2 mg/l Exposure time: 74,5 h Method: OECD Test Guideline 201 NOEC (Pseudokirchneriella subcapitata (green algae)): 17,5 mg/l Exposure time: 74,5 h Method: OECD Test Guideline 201 LOEC: 3,6 mg/l Exposure time: 10 d Test Type: semi-static test
Toxicity to microorganisms	:	EC50 (activated sludge): > 175 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 NOEC (activated sludge): 17,5 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Toxicity to fish (Chronic toxicity)	:	NOEC: 6,4 mg/l Exposure time: 34 d Species: Danio rerio (zebra fish) Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 6,4 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Test Type: semi-static test
Toxicity to soil dwelling organisms	:	LC50: > 175 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207 NOEC: >= 175 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207

2-aminoethanol:

Toxicity to fish	:	LC50 (Cyprinus carpio (Carp)): 349 mg/l Exposure time: 96 h Method: Tested according to Directive 92/69/EEC.
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 65 mg/l Exposure time: 48 h Test Type: static test
Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata (green algae)): 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 EC50 (Pseudokirchneriella subcapitata (green algae)): 2,1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	EC10 (activated sludge): > 1.000 mg/l Exposure time: 0,5 h Method: OECD Test Guideline 209
Toxicity to fish (Chronic toxicity)	:	LOEC: 3,55 mg/l Exposure time: 41 d Species: Oryzias latipes (Japanese medaka) Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 0,85 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202

Persistence and degradability

Components:

2-aminoethanol:

Biodegradability	:	Inoculum: activated sludge, non-adapted Result: Readily biodegradable. Method: OECD Test Guideline 301A

Bioaccumulative potential

Product:

Bioaccumulation	:	Remarks: No data available

Components:

boric acid:

Bioaccumulation	:	Species: Fish Exposure time: 60 d

Bioconcentration factor (BCF): < 0,1

Partition coefficient: n-octanol/water : log Pow: -1,09 (22 °C)

2-aminoethanol:

Bioaccumulation : Bioconcentration factor (BCF): 9,2
Method: QSAR
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -2,3 (25 °C)

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging, and contaminated material : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

It is prohibited to reuse, bury, burn, or sell containers. Rinsable containers: Triple rinse containers of less than 20 liters and pressure rinse containers of 20 liters or more. Triple rinsing: Add water up to ¼ of the container's capacity, close and shake for 30 seconds. Pour the rinse water into the mixing tank, considering this volume of water within the recommended volume for mixing preparation. Perform this procedure three times. Pressure rinsing: Activate the pressure rinsing device for 30 seconds, considering the volume of water used as part of the recommended volume for mixing preparation. In both procedures, punctured the container on its base without damaging the label. In all cases, take the empty containers to collection points indicated by the local empty containers program.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NCh382
Not regulated as a dangerous good

Special precautions for user
Not applicable

SECTION 15. REGULATORY INFORMATION

National Regulations

Chile. Decree 190. Carcinogenic Substances, Hazardous Waste Management.	:	Not applicable
Decree 1358 - Establishment of rules governing the control measures of precursors and essential chemicals.	:	Not applicable
Resolution 408/16 Exempt, Approving List of Health Hazardous Substances	:	Included in list of Article 3, item a)

Other regulations

Decree 43/2015, Approving Regulation on Storage of Hazardous Substances
NCh 2245:2021 Safety data sheet for chemical products - Content and order of sections
NCh 2190:2019 Land transport of dangerous goods - Hazard identification marks
NCh 382:2021 Dangerous Goods – Classification
Decree 57 of 2019, Regulation on Classification, Labeling, and Notification of Hazardous Chemicals and Mixtures
D.S. 148/03 Sanitary Regulation on hazardous wastes handling
D.S. 298/94 Regulation on transport of hazardous cargo on streets and roads
D.S. 594/99 Regulation on sanitary and environmental basic conditions at work places

International Regulations

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

TCSI	:	Not in compliance with the inventory

TSCA	:	Product contains substance(s) not listed on TSCA inventory.
AIIC	:	Not in compliance with the inventory
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL. COCOAMIDOPROPYL BETAINE 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

The receiver should verify the possible existence of legal regulations applicable to chemical.

SECTION 16. OTHER INFORMATION

Revision Date	:	06.02.2024
Date format	:	dd.mm.yyyy

Abbreviations and acronyms

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
CL OEL	:	Chile. Regulation on basic sanitary and environmental conditions in the workplace
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
CL OEL / LPP	:	Time Weighted Limit Value

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 Or-

ganisation 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 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

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