

SAFETY DATA SHEET

according to US Regulation 29 CFR 1910.1200 and the Canadian HPA

DANTOBROM RW BRIQUETTES

Version 1.0

Revision Date 2020.03.12

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SECTION 1. IDENTIFICATION

Commercial Product Name : Dantobrom
Product name : DANTOBROM RW BRIQUETTES
PMRA Registration number : 20902

Manufacturer or supplier's details

Company : Innovative Water Care, LLC
1400 Bluegrass Lakes Parkway
Alpharetta, GA
30004

Telephone : 1-800-511-6737 (Outside the USA: 1-423-780-2347)
E-mail address : sds@sigurawater.com
Emergency telephone number : 1-800-654-6911 (Outside the USA: 1-423-780-2970)

Recommended use of the chemical and restrictions on use

Recommended use : Biocides

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4
Skin corrosion : Category 1A
Serious eye damage : Category 1
Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger
Hazard statements : H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

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H317 May cause an allergic skin reaction.

Precautionary statements

- : **Prevention:**
 P260 Do not breathe dust or mist.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
 P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P363 Wash contaminated clothing before reuse.
 P391 Collect spillage.
Storage:
 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 : Substance

Hazardous components

Chemical name / Synonyms	CAS-No.	Concentration (% w/w)
Bromochloro-5,5-dimethylimidazolidine-2,4-dione	32718-18-6	>= 50 - < 70
1,3-Dichloro-5,5-dimethylhydantoin	118-52-5	>= 25 - < 30
1,3-dichloro-5-ethyl-5-methylimidazolidine-2,4-dione	89415-87-2	>= 15 - < 20

SECTION 4. FIRST AID MEASURES

- If inhaled : Move to fresh air.
 If unconscious, place in recovery position and seek medical advice.
 If breathing is irregular or stopped, administer artificial respira-

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	tion. Call a physician or poison control centre immediately. Keep respiratory tract clear.
In case of skin contact	: After contact with skin, wash immediately with plenty of soap and water. Take off contaminated clothing and shoes immediately. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Take victim immediately to hospital.
In case of eye contact	: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Continue rinsing eyes during transport to hospital. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water spray Alcohol-resistant foam Dry chemical
Specific hazards during firefighting	: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Heating or fire can release toxic gas. Do not allow run-off from fire fighting to enter drains or water courses.
Further information	: Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Avoid dust formation.
In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust.
Shovel into suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed.
Take precautionary measures against static discharges.
- Advice on safe handling : Avoid formation of respirable particles.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed.
Keep in a well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.
To maintain product quality, do not store in heat or direct sunlight.
- Further information on storage conditions : Incompatible with oxidizing agents.
- Technical measures/Precautions : Incompatible with oxidizing agents.
- Further information on storage stability : No decomposition if stored and applied as directed.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1,3-Dichloro-5,5-dimethylhydantoin	118-52-5	TWA	0.2 mg/m ³	ACGIH
		STEL	0.4 mg/m ³	ACGIH
		REL	0.2 mg/m ³	NIOSH/GUIDE
		STEL	0.4 mg/m ³	NIOSH/GUIDE

Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
Half mask with a particle filter P2 (EN 143)
- Hand protection
- Material : Nitrile rubber
- Remarks : Wear protective gloves. Break through time : > 480 min
- Eye protection : Safety glasses with side-shields conforming to EN166
Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Dust impervious protective suit
- Hygiene measures : Avoid contact with skin, eyes and clothing.
When using do not eat or drink.
When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Briquettes
- Colour : off-white
- Odour : slight, stinging
- Odour Threshold : no data available

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pH	:	3.6 (77 °F / 25 °C) Concentration: 10 g/l GLP: yes suspension
Melting point/range	:	248 - 298 °F / 120 - 148 °C GLP: yes
Boiling point/boiling range	:	no data available
Flash point	:	no data available
Evaporation rate	:	no data available
Flammability (solid, gas)	:	no data available
Flammability (liquids)	:	no data available
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Vapour pressure	:	no data available
Relative vapour density	:	no data available
Relative density	:	no data available
Density	:	no data available
Water solubility	:	5.4 g/l hydrolyses (77 °F / 25 °C) GLP: yes
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	no data available
Decomposition temperature	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Explosive properties	:	no data available
Oxidizing properties	:	no data available

The substance or mixture is not classified as oxidizing.
Method: UN Manual of Tests and Criteria, Part III, sub-section
34.4.1 (Test O.1)
GLP: yes

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Heat Elevated temperature and impurities (alkalis). Protect from moisture.
Incompatible materials	:	Bases Strong acids and oxidizing agents Combustible material
Hazardous decomposition products	:	No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Eyes Skin Inhalation Ingestion
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Acute toxicity

Acute oral toxicity	:	LD50 (Rat): 441 mg/kg Method: FIFRA GLP: yes
Acute inhalation toxicity	:	Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Because of the physical form of this substance, inhalation is not likely.
Acute dermal toxicity	:	Acute toxicity estimate: 4,613 mg/kg Method: Calculation method

Skin corrosion/irritation

Species: Rabbit
Method: Draize Test
Result: Corrosive

Species: Rabbit
Method: DOT
Result: non-corrosive

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Serious eye damage/eye irritation

Species: Rabbit
Result: Severe eye irritation
Method: Draize Test

Respiratory or skin sensitisation

Test Type: Buehler Test
Species: Guinea pig
Result: Sensitising

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Aspiration toxicity

No aspiration toxicity classification

Further information

Remarks: Ingestion may cause nausea, vomiting, sore throat, stomach-ache and eventually lead to a perforation of the intestine.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.19 mg/l
Exposure time: 48 h
Test Type: Immobilization
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): 0.93 mg/l
End point: Growth rate

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Exposure time: 72 h
Test Type: Growth inhibition
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

Persistence and degradability

no data available

Bioaccumulative potential

Bioaccumulation : Remarks: no data available
Remarks: no data available

Components:

Bromochloro-5,5-dimethylimidazolidine-2,4-dione:

Partition coefficient: n-octanol/water : Remarks: no data available

1,3-Dichloro-5,5-dimethylhydantoin:

Partition coefficient: n-octanol/water : Remarks: no data available

Mobility in soil

no data available

Other adverse effects

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

The following ecotoxicological data refer to:

Bromochloro-5,5-dimethylimidazolidine-2,4-dione(CAS-No.: 32718-18-6)

Ecotoxicity

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.65 mg/l
Exposure time: 96 h
Method: US-EPA
GLP: yes

LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.17 mg/l
Exposure time: 96 h
Method: US-EPA
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.87 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: US-EPA

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	GLP: yes
Toxicity to algae	: ErC50 (Desmodesmus subspicatus (green algae)): 2 mg/l End point: Growth rate Exposure time: 72 h Test Type: Growth inhibition Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes
M-Factor (Acute aquatic toxicity)	: 1
Toxicity to microorganisms	: EC50 (activated sludge): 20 mg/l Exposure time: 3 h Test Type: Respiration inhibition Analytical monitoring: no Method: OECD Test Guideline 209 GLP: yes

Persistence and degradability

Biodegradability	: Result: no data available
Stability in water	: Degradation half life (t1/2): <= 91 h (25 °C) pH: 7 Method: EPA-FIFRA GLP: yes

Bioaccumulative potential

Bioaccumulation	: Remarks: no data available
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Mobility in soil

Distribution among environmental compartments	: Remarks: no data available
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Other adverse effects

Additional ecological information	: Information given is based on data on the components and the ecotoxicology of similar products.
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The following ecotoxicological data refer to:

1,3-dichloro-5-ethyl-5-methylimidazolidine-2,4-dione(CAS-No.: 89415-87-2)

Ecotoxicity

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 1.1 mg/l Exposure time: 96 h Test Type: static test Analytical monitoring: no Method: US-EPA GLP: no
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	LC50 (<i>Lepomis macrochirus</i> (Bluegill sunfish)): 0.87 mg/l Exposure time: 96 h Test Type: static test Analytical monitoring: no Method: US-EPA GLP: no
Toxicity to daphnia and other aquatic invertebrates	: EC50 (<i>Daphnia magna</i> (Water flea)): 0.95 mg/l Exposure time: 48 h Test Type: Immobilization GLP: yes
Toxicity to algae	: ErC50 (<i>Pseudokirchneriella subcapitata</i> (green algae)): > 0.22 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201 GLP: yes
	NOEC: 46 mg/l Exposure time: 72 h
	EbC50: 0.12 mg/l Exposure time: 72 h
M-Factor (Acute aquatic toxicity)	: 1
Toxicity to microorganisms	: EC50 (activated sludge): 26.2 mg/l Exposure time: 3 h Test Type: Respiration inhibition Analytical monitoring: no Method: OECD Test Guideline 209 GLP: yes
Persistence and degradability	
Biodegradability	: Result: Biodegradable
Stability in water	: Test Type: Abiotic degradation Test substance: yes GLP: yes
Bioaccumulative potential	
no data available	
Mobility in soil	
no data available	
Other adverse effects	
no data available	

The following ecotoxicological data refer to:

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5,5-Dimethylhydantoin(CAS-No.: 77-71-4)

Ecotoxicity

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 972 mg/l
 Exposure time: 96 h
 Analytical monitoring: no
 Method: US-EPA
 GLP: yes
- LC50 (Pimephales promelas (fathead minnow)): 16,500 mg/l
 Exposure time: 96 h
- NOEC (Pimephales promelas (fathead minnow)): 14 mg/l
 Exposure time: 33 d
 Test Type: Early-life Stage
 Analytical monitoring: yes
 Method: FIFRA
 GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6,200 mg/l
 Exposure time: 48 h
 Test Type: Immobilization
 Analytical monitoring: no
 Method: EPA-FIFRA
 GLP: no
- NOEC (Daphnia magna (Water flea)): 71 mg/l
 Exposure time: 21 d
 Test Type: Reproduction Test
 Analytical monitoring: yes
 Method: OECD Test Guideline 202
 GLP: yes
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l
 Exposure time: 96 h
 Test Type: Growth inhibition
 Analytical monitoring: yes
 Method: OECD Test Guideline 201
- Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l
 Exposure time: 3 h
 Test Type: Respiration inhibition
 Analytical monitoring: no
 Method: OECD Test Guideline 209
- Persistence and degradability**
- Biodegradability : Test Type: Die-Away Test
 Inoculum: activated sludge
 Concentration: 25 mg/l
 Result: Biodegradable

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Biodegradation: 94 %
 Exposure time: 19 d
 GLP: no

Test Type: CO2 Evolution Test
 Inoculum: activated sludge
 Concentration: 10 mg/l
 Result: Readily biodegradable.
 Biodegradation: 88 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301B
 GLP: yes

Stability in water : Test Type: Abiotic degradation
 Degradation half life (t1/2): > 360 d (25 °C) pH: 5 - 9
 Method: EPA-FIFRA
 GLP: yes

Bioaccumulative potential

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
 Bioconcentration factor (BCF): < 1.79
 Exposure time: 42 d
 Method: OECD Test Guideline 305
 GLP: yes
 Remarks: Does not bioaccumulate.

Mobility in soil

Distribution among environmental compartments : Adsorption/Soil
 Method: EPA-FIFRA

Other adverse effects

no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of contents/container in accordance with local regulation.
 Contact waste disposal services.
 Do not dispose of waste into sewer.
 The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT

UN number : 3085
Proper shipping name : Oxidizing solid, corrosive, n.o.s.
(Bromochloro-5,5-dimethylimidazolidine-2,4-dione)
Transport hazard class : 5.1
Packing group : III
Labels : 5.1 (8)
Emergency Response Guidebook : 140
Number
Environmental hazards : no

TDG

UN number : 3085
Proper shipping name : OXIDIZING SOLID, CORROSIVE, N.O.S.
(Bromochloro-5,5-dimethylimidazolidine-2,4-dione)
Transport hazard class : 5.1
Packing group : III
Labels : 5.1 (8)
Environmental hazards : no

IATA

UN number : 3085
Proper shipping name : Oxidizing solid, corrosive, n.o.s.
(Bromochloro-5,5-dimethylimidazolidine-2,4-dione)
Transport hazard class : 5.1
Packing group : III
Labels : 5.1 (8)
Environmental hazards : no

IMDG

UN number : 3085
Proper shipping name : Oxidizing solid, corrosive, n.o.s.
(Bromochloro-5,5-dimethylimidazolidine-2,4-dione)
Transport hazard class : 5.1
Packing group : III
Labels : 5.1 (8)
EmS Number 1 : F-A
EmS Number 2 : S-Q
Environmental hazards : Marine pollutant: yes

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ADR

UN number	: 3085
Proper shipping name	: OXIDIZING SOLID, CORROSIVE, N.O.S. (Bromochloro-5,5-dimethylimidazolidine-2,4-dione)
Transport hazard class	: 5.1
Packing group	: III
Classification Code	: OC2
Hazard Identification Number	: 58
Labels	: 5.1 (8)
Environmental hazards	: yes

RID

UN number	: 3085
Proper shipping name	: OXIDIZING SOLID, CORROSIVE, N.O.S. (Bromochloro-5,5-dimethylimidazolidine-2,4-dione)
Transport hazard class	: 5.1
Packing group	: III
Classification Code	: OC2
Hazard Identification Number	: 58
Labels	: 5.1 (8)
Environmental hazards	: yes
Special precautions for user	:
Other information	: Material is not regulated as a marine pollutant for ground transportation within the US if shipped in non-bulk packages.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	: Not applicable

SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

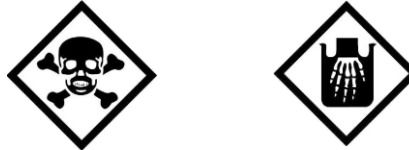
EPA Registration number	: 6836-115
Signal word	: DANGER!
Hazard statements	: Corrosive - causes irreversible eye damage. Corrosive. Causes skin burns. May be fatal if swallowed. This pesticide is toxic to fish.

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This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain label.

Read the approved label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

PMRA Registration number : 20902
 Hazard pictograms :



Signal word : **WARNING!**
 Hazard statements : Harmful if swallowed.
 Highly Corrosive.
 Corrosive - causes irreversible eye damage.
 Corrosive. Causes skin burns.
 This product may cause skin sensitization in some people.
 This pesticide is toxic to fish.

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know

Components	CAS-No.
1,3-Dichloro-5,5-dimethylhydantoin	118-52-5

Pennsylvania Right To Know

Components	CAS-No.
Bromochloro-5,5-dimethylimidazolidine-2,4-dione	32718-18-6
1,3-Dichloro-5,5-dimethylhydantoin	118-52-5
1,3-dichloro-5-ethyl-5-methylimidazolidine-2,4-dione	89415-87-2

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : US. ACGIH Threshold Limit Values
NIOSH/GUIDE : US. NIOSH: Pocket Guide to Chemical Hazards, as amended

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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

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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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Date format : yyyy/mm/dd



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US / EN