

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

SECTION 1. IDENTIFICATION

Product name : LEISURE TIME BROMINATING GRANULAR

Product code : 00000026425

Manufacturer or supplier's detailsCompany : Arch Chemicals, Inc.
1200 Bluegrass Lakes Parkway
Alpharetta, GA
30004
United States of America (USA)

E-mail address : sds@lonza.com

Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,
CHEMTREC WORLD-WIDE: +1-703-527-3887.**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Combustible dust :

Oxidizing solids : Category 2

Eye irritation : Category 2A

Specific target organ toxicity -
single exposure : Category 3 (Respiratory system)**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : May form combustible dust concentrations in air.
H272 May intensify fire; oxidizer.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.Precautionary statements : **Prevention:**
P210 Keep away from heat.
P220 Keep/Store away from clothing/ combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P304 + P340 + P312 IF INHALED: Remove person to fresh air
and keep comfortable for breathing. Call a POISON

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

CENTER/doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P370 + P378 In case of fire: Use water spray to extinguish.

P391 Collect spillage.

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

Hazardous components

Chemical name	CAS-No.	Concentration (%)
troclosene sodium	2893-78-9	80.00 - 90.00

SECTION 4. FIRST AID MEASURES

- If inhaled : IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- In case of skin contact : IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- In case of eye contact : IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- If swallowed : IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water only.
Do not use dry extinguishers containing ammonium compounds.

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

- Specific hazards during firefighting : Strong oxidizer
Will release oxygen when heated, intensifying a fire
- Further information : In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

Environmental precautions

- Air : Hazardous concentrations in air may be found in local spill area and immediately downwind.
Contain all solids for treatment or disposal.
- Water : This material is soluble in water.
Notify all downstream users of possible contamination.
Divert water flow around spill if possible and safe to do so.
Begin monitoring for available chlorine and pH immediately.
- Soil : Do not contaminate spill material with any organic materials, ammonia, ammonium salts or urea. Clean up all spill material with clean, dry dedicated equipment and place in a clean dry container.
Avoid dust generation.
Do not place spill materials back in their original containers.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Do not take internally. Avoid contact with skin, eyes and clothing.
Upon contact with skin or eyes, wash off with water.
Avoid breathing dust from this material.
- Conditions for safe storage : Store in a cool dry ventilated location, away from sources of ignition or other incompatible conditions and chemicals. Keep container(s) closed.
- Materials to avoid : Refer to Section 10, "Incompatible Materials."

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

Components	CAS-No.
troclosene sodium	2893-78-9

Appropriate engineering controls

- Engineering measures** : Use local exhaust ventilation to maintain levels below exposure

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

limits.

Personal protective equipment

Hand protection

Remarks : Wear impervious gloves to avoid skin contact.

Eye protection : Use chemical goggles.
Emergency eyewash should be provided in the immediate work area.Skin and body protection : Impervious

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : granular

Colour : white

Odour : Halogen

Odour Threshold : no data available

pH : 4 - 5, Aqueous solution

Melting point/freezing point : Not applicable

Boiling point/boiling range : no data available

Flash point : no data available

Evaporation rate : Not applicable

Flammability (solid, gas) : Product is not known to be flammable, combustible, pyrophoric or explosive.

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : Not applicable

Relative vapour density : no data available

Relative density : no data available

Solubility(ies)
Water solubility : soluble

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

Auto-ignition temperature : no data available

Decomposition temperature : no data available

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Oxidizing properties	: Product has oxidizing properties.

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	: Product will not undergo hazardous polymerization. Stable under normal conditions.
Conditions to avoid	: High temperatures Exposure to moist air or water Contamination
Incompatible materials	: This product is chemically reactive with many substances, including, e.g., other pool treatment products, acids, organics, nitrogen-containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, corrosive, flammable or combustible materials.
Hazardous decomposition products	: Chlorine Nitrogen trichloride Halogens Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation, skin, eyes, ingestion
Acute toxicity	
Acute oral toxicity (LD50)	: = 3,500 mg/kg Species: Rat
Acute dermal toxicity (LD50)	: Believed to be > 2,000 mg/kg Species: Rabbit
Skin corrosion/irritation	
Skin irritation	: Remarks: Skin contact may cause mild to moderate irritation consisting of transient redness and swelling. This irritant effect would not be expected to result in permanent damage.
Serious eye damage/eye irritation	
Eye irritation	: Eye irritation
Respiratory or skin sensitisation	
Sensitisation	: Remarks: This material tested negative for skin sensitization in animals.

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

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.

Further information

Remarks: no data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data for product. Individual constituents are as follows:

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : If this product becomes a waste, it meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D001.

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

SECTION 14. TRANSPORT INFORMATION**IATA**

UN number : 2465
Proper shipping name : Dichloroisocyanuric acid, dry
Transport hazard class : 5.1
Packing group : II
Labels : 5.1
Environmental hazards : yes

IMDG

UN number : 2465
Proper shipping name : Dichloroisocyanuric acid, dry
Transport hazard class : 5.1
Packing group : II
Labels : 5.1
EmS Number 1 : F-A
EmS Number 2 : S-Q
Environmental hazards : Marine pollutant: yes

ADR

UN number : 2465
Proper shipping name : DICHLOROISOCYANURIC ACID, DRY
Transport hazard class : 5.1
Packing group : II
Classification Code : O2
Hazard Identification Number : 50
Labels : 5.1
Environmental hazards : yes

RID

UN number : 2465
Proper shipping name : DICHLOROISOCYANURIC ACID, DRY
Transport hazard class : 5.1
Packing group : II
Classification Code : O2
Hazard Identification Number : 50
Labels : 5.1
Environmental hazards : yes

DOT

UN number : 2465
Proper shipping name : Dichloroisocyanuric acid, dry
Transport hazard class : 5.1
Packing group : II
Labels : 5.1
Emergency Response Guidebook Number : 140
Environmental hazards : yes

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

TDG

UN number : 2465
Proper shipping name : DICHLOROISOCYANURIC ACID, DRY
Transport hazard class : 5.1
Packing group : II
Labels : 5.1
Environmental hazards : yes

Special precautions for user : none

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.

Signal word : DANGER!
Hazard statements : Harmful if swallowed.
Harmful if absorbed through skin.
May be fatal if inhaled.
Corrosive. Causes skin burns.
Corrosive. Causes irreversible eye damage.
This pesticide is toxic to fish.
EPA No. : 7364-103-41760

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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.

Clean Air Act

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations**Massachusetts Right To Know**

Components	CAS-No.
troclosene sodium	2893-78-9

Pennsylvania Right To Know

Components	CAS-No.
troclosene sodium	2893-78-9
Sodium bromide	7647-15-6

New Jersey Right To Know

Components	CAS-No.
troclosene sodium	2893-78-9
Sodium bromide	7647-15-6

New York City Hazardous Substances

No components listed on the New York City Hazardous Substances List

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.

SECTION 16. OTHER INFORMATION

LEISURE TIME BROMINATING GRANULAR

Version 1.1

SDS Number: 00000026425

Revision Date: 2018.07.25

1

Arch is a wholly-owned subsidiary of Lonza and continues to operate as Arch Chemicals, Inc.

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