

## SAFETY DATA SHEET

according to US Regulation 29 CFR 1910.1200 and the Canadian HPA

## LEISURE TIME BOOST

Version 1.0

Revision Date 2019.02.14

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### SECTION 1. IDENTIFICATION

Product name : LEISURE TIME BOOST

#### Manufacturer or supplier's details

Company : 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.

#### Recommended use of the chemical and restrictions on use

Recommended use : Water treatment chemical

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Eye irritation : Category 2A

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P306 + P360 IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
**Storage:**  
P420 Store separately.  
**Disposal:**

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P501 Dispose of contents/container in accordance with local regulation.

**Other hazards**

None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : Mixture

**Hazardous components**

| Chemical name / Synonyms | CAS-No.   | Concentration (% w/w) |
|--------------------------|-----------|-----------------------|
| Hydrogen peroxide        | 7722-84-1 | 7.5                   |

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**SECTION 4. FIRST AID MEASURES**

- In case of skin contact : IF ON SKIN: Flush skin with water for 15 minutes. Take off all contaminated clothing. Seek medical attention if irritation develops.
- If swallowed : IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : None known.
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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray
- Specific hazards during firefighting : Material will not ignite or burn. Oxygen is a decomposition product of hydrogen peroxide. The generation of oxygen will increase the burning rate or ignitable materials.
- 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.  
Use water to cool containers.
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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Stop source of spill as soon as possible and notify appropriate personnel.  
Utilize emergency response personal protection equipment prior to the start of any response.  
Evacuate all non-essential personnel.  
Dispose of spill residues per guidelines under Section 13, Disposal Consideration.
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- Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Do not flush into surface water or sanitary sewer system.

### 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 mist or vapor.
- Conditions for safe storage : Store in a cool, dry and well ventilated place. Isolate from incompatible materials.  
Keep product tightly sealed in original containers.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components        | CAS-No.   | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis       |
|-------------------|-----------|-------------------------------|--|-------------|
| Hydrogen peroxide | 7722-84-1 | TWA                           | 1 ppm  | ACGIH       |
|                   |           | REL                           | 1 ppm<br>1.4 mg/m3                             | NIOSH/GUIDE |
|                   |           | PEL                           | 1 ppm<br>1.4 mg/m3                             | OSHA_TRANS  |
|                   |           | TWA                           | 1 ppm<br>1.4 mg/m3                             | Z1A         |

- Engineering measures** : Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

#### Personal protective equipment

- Respiratory protection : Wear a NIOSH approved respirator if levels above the exposure limits are possible.  
NIOSH approved full-face positive pressure supplied-air respirator

Hand protection

- Remarks : Wear impervious gloves to avoid skin contact.

- Eye protection : Use chemical goggles.

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|                          |   |  |
|--------------------------|---|--|
| Skin and body protection | : | butyl-rubber<br>Neoprene<br>Natural Rubber<br>Nitrile            |
| Protective measures      | : | Emergency eyewash should be provided in the immediate work area. |

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |   |   |
|--|---|---|
| Appearance                             | : | liquid  |
| Colour                                 | : | clear   |
| Odour                                  | : | slight  |
| Odour Threshold                        | : | no data available   |
| pH                                     | : | 2.5 - 3.5   |
| Melting point/freezing point           | : | no data available   |
| Boiling point/boiling range            | : | 214 °F / 101 °C   |
| Flash point                            | : | no data available   |
| Evaporation rate                       | : | no data available   |
| Flammability (solid, gas)              | : | Product is not known to be flammable, combustible, pyrophoric or explosive. |
| Flammability (liquids)                 | : | no data available   |
| Upper explosion limit                  | : | no data available   |
| Lower explosion limit                  | : | no data available   |
| Vapour pressure                        | : | 41.3 hPa (86 °F / 30 °C)  |
| Relative vapour density                | : | no data available   |
| Relative density                       | : | 1.01 (68 °F / 20 °C)  |
| Bulk density                           | : | no data available   |
| Water solubility                       | : | soluble in cold water   |
| Partition coefficient: n-octanol/water | : | Not applicable  |
| Auto-ignition temperature              | : | no data available   |
| Decomposition temperature              | : | no data available   |
| Viscosity, dynamic                     | : | no data available   |
| Viscosity, kinematic                   | : | no data available   |

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### SECTION 10. STABILITY AND REACTIVITY

- Possibility of hazardous reactions : Stable under normal conditions.
- Conditions to avoid : High temperatures  
Contact with incompatible substances
- Incompatible materials : Bases  
Reducing agents  
Contact with combustible material may cause fire.  
copper & copper alloys  
Metals  
brass  
Oxidizing agents  
Incompatible with acids.
- Hazardous decomposition products : Oxygen is a decomposition product of hydrogen peroxide. The generation of oxygen will increase the burning rate or ignitable materials.

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### SECTION 11. TOXICOLOGICAL INFORMATION

- Information on likely routes of exposure : Inhalation, skin, eyes, ingestion
- Acute toxicity**
- Acute oral toxicity : LD50 (Rat): Believed to be > 5,000 mg/kg
- Acute inhalation toxicity : Remarks: no data available
- Acute toxicity estimate: > 40 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method
- Acute dermal toxicity : LD50 (Rabbit): Believed to be > 5,000 mg/kg
- Acute toxicity (other routes of administration) : Remarks: Moderately to severely irritating to the eyes. Ingestion may cause gastrointestinal discomfort.

**Skin corrosion/irritation**

Assessment: No skin irritation  
Remarks: Not expected to be irritating to the skin.

**Serious eye damage/eye irritation**

Assessment: Eye irritation

**Respiratory or skin sensitisation**

Remarks: This material is not known or reported to be a skin or respiratory sensitizer.  
A similar product was found to be a negative skin sensitizer in the Guinea pig maximization method test.

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### 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

Confirmed animal carcinogen with unknown relevance to humans

Hydrogen peroxide

7722-84-1

### Repeated dose toxicity

Remarks: Not known or reported to cause subchronic or chronic toxicity.

### Further information

Remarks: no data available

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## 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 : Slightly toxic to fish and other aquatic organisms.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : If this product becomes a waste, it will be a nonhazardous waste.  
As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations.

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### SECTION 14. TRANSPORT INFORMATION

|   |   |                     |
|---|---|---------------------|
| <b>DOT</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>TDG</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>IATA</b>   | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>IMDG</b>   | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>ADR</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>RID</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>Special precautions for user</b>   | : | none                |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | : | Not applicable      |

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### SECTION 15. REGULATORY INFORMATION

#### 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

| Components        | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|-------------------|-----------|--------------------|-----------------------------|
| Hydrogen peroxide | 7722-84-1 | 1000               | 13333                       |

##### SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

##### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

| Components        | CAS-No.   | Concentration |
|-------------------|-----------|---------------|
| Hydrogen peroxide | 7722-84-1 | 5 - 10 %      |

##### 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

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).

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).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

##### 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



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### Massachusetts Right To Know

| Components        | CAS-No.   |
|-------------------|-----------|
| Hydrogen peroxide | 7722-84-1 |

### Pennsylvania Right To Know

| Components        | CAS-No.   |
|-------------------|-----------|
| Hydrogen peroxide | 7722-84-1 |

### New Jersey Right To Know

| Components        | CAS-No.   |
|-------------------|-----------|
| Hydrogen peroxide | 7722-84-1 |

### 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.

### Canadian lists

#### NPRI

Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

#### The components of this product are reported in the following inventories:

TSCA : The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

ACGIH : US. ACGIH Threshold Limit Values  
 NIOSH/GUIDE : US. NIOSH: Pocket Guide to Chemical Hazards  
 OSHA\_TRANS : US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)  
 Z1A : US. OSHA Table Z-1-A (29 CFR 1910.1000)

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;

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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

First formulated version in SAP.

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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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