

**1. Identification of the Substance/Preparation and of the Company/Undertaking****Product identifier**

Product name

Additive Antifoam H-710

**Other means of identification****Recommended use of the chemical and restrictions on use**

Material Uses

Additive.

Uses advised against

Verify Applications

**Details of the supplier of the safety data sheet****Manufacturer**

LiveTools PTY Limited

115 Young St.

Carrington NSW 2294 Australia

Telephone: 02 4017 0198

**Emergency Telephone**

Livetools: 02 4017 0198

**2. Hazards Identification**

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1).  
Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) and NOHSC standards.

**Classification of the substance or mixture**

This chemical is considered hazardous according to criteria of NOHSC.

Reproductive Toxicity

Category 2

**Hazards not otherwise classified (HNOC)**

Not applicable

**Label elements****Warning****Hazard statements**

Suspected of damaging fertility or the unborn child

**Appearance** white**Physical state** Liquid**Odor** Mild**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Information**

No known effect

**Unknown acute toxicity** 35 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/information on Ingredients

**Substance**

**Chemical Family** Miscellaneous.

Chemical name	CAS No.	Weight-%	Trade secret
Octamethylcyclotetrasiloxane	556-67-2	0.1-1	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First Aid Measures

**Description of first aid measures**

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary. If eye irritation persists: Get medical advice/attention.

**Skin contact** Wash off immediately with soap and plenty of water. Consult a physician if necessary.

**Inhalation** Remove to fresh air. Consult a physician if necessary.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. Clean mouth with water.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

### 5. Fire-Fighting Measures

**Suitable extinguishing media** Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. alcohol-resistant foam.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical** No information available.

**Hazardous combustion products** Thermal decomposition can lead to release of irritating gases and vapors.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

precautions for firefighters (approved or equivalent) and full protective gear as required.

## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid exceeding the given occupational exposure limits.

**Other Information** Report spills as required to the appropriate authorities.

### Environmental precautions

**Environmental precautions** Avoid release to the environment.

### Methods and material for containment and cleaning up

**Methods for containment** Local authorities should be advised if significant spillages cannot be contained. 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.

**Methods for Clean-up** Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

**Reference to other sections** See Section 12: ECOLOGICAL INFORMATION.

## 7. Handling and Storage

### Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers.

**Incompatible materials** Strong oxidizing agents.

## 8. Exposure Controls/Personal Protection

### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Safety glasses with side-shields. If splashes are likely to occur, wear.. Tightly fitting safety goggles.

**Skin and Body Protection** Use protective gloves and clothing if contact with product is likely.

**Respiratory protection** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and

protective suit.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	white
<b>Odor</b>	Mild
<b>Color</b>	white
<b>Odor threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	7.4	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	No information available	
<b>Flash point</b>	>93.3 °C / >200 °F	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	Not applicable	
<b>Lower flammability limit:</b>	Not flammable	
<b>Vapor pressure</b>	<1 mmHg at 20 °C	
<b>Vapor density</b>	>1	
<b>Specific gravity</b>	1.0-1.03	
<b>Water solubility</b>		
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>		
<b>Kinematic viscosity</b>		
<b>Dynamic viscosity</b>	No information available	
<b>VOC Content (%)</b>	Request additional information	

## 10. Stability and Reactivity

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal use conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Keep away from open flames, hot surfaces and sources of ignition.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides. Formaldehyde. Silicon dioxide.

## 11. Toxicological Information

### Information on likely routes of exposure

<b>Product Information</b>	Information given is based on data on the components and the toxicology of similar products.
<b>Inhalation</b>	No unusual hazard.
<b>Eye contact</b>	Contact with eyes may cause irritation. Avoid contact with eyes.

**Skin contact** Substance may cause slight skin irritation. Avoid contact with skin.

**Ingestion** HARMFUL IF SWALLOWED.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** None known.

### Acute toxicity

#### Numerical measures of toxicity

No information available

**ATEmix (oral)** 2512 mg/kg  
**ATEmix (dermal)** 9373 mg/kg  
**ATEmix (inhalation-dust/mist)** No data available

**Unknown acute toxicity** 35 % of the mixture consists of ingredient(s) of unknown toxicity  
 Product Information

**Oral LD50** > 2000 mg/kg (rat)

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Octamethylcyclotetrasiloxane 556-67-2	= 1540 mg/kg ( Rat )	= 794 µL/kg ( Rabbit )	= 36 g/m <sup>3</sup> ( Rat ) 4 h

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** OECD 404 - Non-irritating and non-corrosive (rabbit).

**Serious eye damage/eye irritation** No unusual hazard.

**Irritation** No information available.

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** This product contains no ingredients at or above the required reporting thresholds known to be carcinogenic.

**Reproductive effects** No known effect.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** No known effect.  
**Aspiration Hazard** No unusual hazard.

## 12. Ecological Information

**Ecotoxicity** Information given is based on data on the components and the toxicology of similar products.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Octamethylcyclotetrasiloxane 556-67-2	-	500: 96 h Brachydanio rerio mg/L LC50 1000: 96 h Lepomis macrochirus mg/L LC50	-	25.2: 24 h Daphnia magna mg/L EC50

**Persistence/Degradability** No information available.

**Bioaccumulation**

Chemical name	Partition coefficient
Octamethylcyclotetrasiloxane 556-67-2	5.1

**Mobility** No information available.

**Other adverse effects** None known

**13. Disposal Considerations****Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging** Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of in accordance with local regulations.

**14. Transport Information****DOT**

<b>UN-No</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>Hazard class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Description</b>	Not regulated

**IMDG**

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Description</b>	Not regulated

**IATA**

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Description</b>	Not regulated

**15. Regulatory Information****International Inventories**

<b>TSCA</b>	Complies.
<b>DSL/NDSL</b>	Complies.
<b>EINECS/ELINCS</b>	Complies.
<b>ENCS</b>	Complies.
<b>IECSC</b>	Complies.
<b>KECL</b>	Complies.

PICCS Complies.  
AICS Complies.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Chronic Health Hazard.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations****U.S. EPA Label information**

EPA Pesticide registration number Not applicable

**16. Other Information**

<b><u>NFPA</u></b>	Health hazards 1	Flammability 1	Instability 0	Physical and chemical properties - Personal Protection -
<b><u>HMIS</u></b>	Health hazards 1	Flammability 1	Physical hazards 0	

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend SECTION 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

**Print Date** 12-14-2018

**Revision date** 06-11-2018

**Revision Note**

**Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**