

## LUPEROX® RTM

**1. PRODUCT AND COMPANY IDENTIFICATION****Company**

Arkema Inc.  
900 First Avenue  
King of Prussia, Pennsylvania 19406

**Functional Additives**

**Customer Service Telephone Number:** (800) 331-7654  
(Monday through Friday, 8:00 AM to 5:00 PM EST)

**Emergency Information**

**Transportation:** CHEMTREC: (800) 424-9300  
(24 hrs., 7 days a week)  
**Medical:** Rocky Mountain Poison Center: (866) 767-5089  
(24 hrs., 7 days a week)

**Product Information**

**Product name:** LUPEROX® RTM  
**Synonyms:** Not available  
**Molecular formula:** Complex mixture  
**Chemical family:** Organic peroxide - dialkyl peroxides  
**Product use:** cross-linking agent

**SECTION 2: HAZARDS IDENTIFICATION****Emergency Overview**

**Color:** beige  
**Physical state:** solid  
**Form:** paste  
**Odor:** Slightly aromatic

**\*Classification of the substance or mixture:**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Organic peroxides, Type G  
Oral: Acute toxicity, Category 4, H302  
Skin sensitisation, Category 1, H317  
Chronic aquatic toxicity, Category 2, H411

\*For the full text of the H-Statements mentioned in this Section, see Section 16.

**GHS-Labeling**

Hazard pictograms:



Signal word:

**Warning****Hazard statements:**

- H302 : Harmful if swallowed.
- H317 : May cause an allergic skin reaction.
- H411 : Toxic to aquatic life with long lasting effects.

**Supplemental Hazard Statements:**

- Organic peroxide.
- Hazardous decomposition may occur.

**Precautionary statements:****Prevention:**

- P261 : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 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.

**Response:**

- P301 + P312 : IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
- P302 + P352 : IF ON SKIN: Wash with plenty of soap and water.
- P330 : Rinse mouth.
- P333 + P313 : If skin irritation or rash occurs: Get medical advice/ attention.
- P363 : Wash contaminated clothing before reuse.
- P391 : Collect spillage.

**Disposal:**

- P501 : Dispose of contents or container to an approved waste disposal plant.

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**Other:**

Dust and/or vapor are reported to cause irritation when proper industrial hygiene controls/procedures are not used.

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

Chemical name	CAS-No.	Wt/Wt	GHS Classification**
1,3,5-Triazine, 2,4,6-tris(2-propenyloxy)-	101-37-1	< 60 %	H302, H411
Peroxide, [1,3(or 1,4)-phenylenebis(1-methylethylidene)]bis[(1,1-dimethylethyl)	25155-25-3	< 42 %	H242, H413
Proprietary additive	Proprietary*	< 6 %	H302, H312, H332, H315, H319, H317, H400, H410
Impurity	Proprietary*	< 2 %	H315, H319
Proprietary constituent	Proprietary*	< 0.2 %	H301, H317, H335, H400, H410

\*The specific chemical identity is withheld because it is trade secret information of Arkema Inc.

\*\*For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of necessary first-aid measures:**

**Inhalation:**

If inhaled, remove victim to fresh air.

**Skin:**

In case of contact, immediately flush skin with soap and plenty of water. Get medical attention if symptoms occur. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eyes:**

Immediately flush eye(s) with plenty of water.

**Ingestion:**

If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Never give anything by mouth to an unconscious person. Rinse mouth.

**4.2. Most important symptoms/effects, acute and delayed:**

For most important symptoms and effects (acute and delayed), see Section 2 (Hazard Statements and Supplemental Information if applicable) and Section 11 (Toxicology Information) of this SDS.

**4.3. Indication of any immediate medical attention and special treatment needed:**

Unless otherwise noted in Notes to Physician, no specific treatment noted; treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****Extinguishing media (suitable):**

Water spray, Foam, Dry chemical

**Extinguishing media (unsuitable):**

High volume water jet

**Protective equipment:**

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

**Further firefighting advice:**

Fight fire with large amounts of water from a safe distance.

Cool closed containers exposed to fire with water spray.

Closed containers of this material may explode when subjected to heat from surrounding fire.

After a fire, wait until the material has cooled to room temperature before initiating clean-up activities.

Do not allow run-off from fire fighting to enter drains or water courses.

Fire fighting equipment should be thoroughly decontaminated after use.

**Fire and explosion hazards:**

Contact with incompatible materials or exposure to temperatures exceeding the SADT may result in a self accelerating decomposition reaction with release of flammable vapors which may autoignite.

When burned, the following hazardous products of combustion can occur:

Carbon oxides

Hazardous organic compounds

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:**

Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel. Ventilate the area. Eliminate all ignition sources. Avoid dust formation and dispersal of dust in the air. Wet down (dampen) the spilled material with water. Sweep or scoop up using non-sparking tools and place into suitable properly labeled containers for prompt disposal. The sweepings should be wetted down further with water. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Implement workplace practices such that dusts are not allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

**Protective equipment:**

Appropriate personal protective equipment is set forth in Section 8.

**SECTION 7: HANDLING AND STORAGE****Handling****General information on handling:**

Contact with materials to avoid or exposure to temperatures exceeding the SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which may autoignite.

Avoid breathing vapor or mist.

Do not taste or swallow.

Avoid prolonged or repeated contact with skin.

Keep away from heat, sparks and flames.

Wash thoroughly after handling.

Use only with adequate ventilation.

Prevent product contamination.

Keep container tightly closed and away from combustible materials.

Implement routine housekeeping practices to ensure that dusts do not accumulate on surfaces.

Check that all equipment is properly grounded and installed to satisfy electrical classification requirements.

Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.

Container hazardous when empty.

Follow label warnings even after container is emptied.

DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR THIS CONTAINER.

Improper disposal or reuse of this container may be dangerous and/or illegal.

Emptied container retains product residue.

**Storage****General information on storage conditions:**

Store in closed containers, in a secure area to prevent container damage and subsequent spillage. Outside or detached storage is preferred. Store out of direct sunlight in a cool well-ventilated place. Store away from combustibles and materials to avoid. Refer also to National Fire Protection Association (NFPA) Code 400, Hazardous Materials Code.

**Storage stability – Remarks:**

Follow the recommended storage temperatures provided in this Section in order to maintain stability and oxygen content.

**Storage incompatibility – General:**

Store separate from:

Strong acids

Strong bases

Strong oxidizing agents

Reducing agents

Amines

Accelerators

Friedel - Crafts reaction catalyst

Brass

Copper

Iron

For all Organic Peroxides, compatible materials of contact are stainless steel 304 or 316 (preferred), high-density polyethylene (HDPE), polytetrafluoroethylene or glass linings.

**Temperature tolerance – Do not store above:**

100 °F (38 °C)

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Airborne Exposure Guidelines:****Engineering controls:**

Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Respiratory protection:**

Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

**Skin protection:**

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Rinse immediately if skin is contaminated. Wash contaminated clothing and clean protective equipment before reuse.

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Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

**Eye protection:**

Where eye contact may be likely, wear chemical goggles and have eye flushing equipment available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	beige
<b>Physical state:</b>	solid
<b>Form:</b>	paste
<b>Odor:</b>	Slightly aromatic
<b>Odor threshold:</b>	No data available
<b>Flash point</b>	The flashpoint of this product is greater than the Self Acceleration Decomposition Temperature (SADT).
<b>Auto-ignition temperature:</b>	No data available.
<b>Lower flammable limit (LFL):</b>	No data available
<b>Upper flammable limit (UFL):</b>	No data available
<b>pH:</b>	Not applicable
<b>Density:</b>	1.025 g/cm <sup>3</sup> (113 °F (45 °C))
<b>Specific Gravity (Relative density):</b>	No data available
<b>Boiling point/boiling range:</b>	Decomposes before boiling. Rate of decomposition increases with rising temperature.
<b>Melting point/range:</b>	108 °F (42 °C)
<b>Freezing point:</b>	No data available.
<b>Evaporation rate:</b>	No data available
<b>Solubility in water:</b>	< 1 %
<b>Viscosity, dynamic:</b>	11.5 mPa.s 113 °F (45 °C)
<b>Oil/water partition coefficient:</b>	No data available.

**Self-Accelerating Decomposition Temperature (SADT):** 194 °F (90 °C) (Method: Heat Accumulation Storage Test)

**Thermal decomposition:** Decomposes on heating.

**Active oxygen content:** 3.46 - 3.55 %

**Flammability:** See GHS Classification in Section 2 if applicable

## SECTION 10: STABILITY AND REACTIVITY

### Stability:

This material is chemically unstable and should only be handled under specified conditions. See HANDLING AND STORAGE section of this MSDS for specified conditions.

### Hazardous reactions:

Hazardous polymerization does not occur.

### Materials to avoid:

Strong acids  
Strong bases  
Strong oxidizing agents  
Reducing agents  
Accelerators  
Amines  
Friedel - Crafts reaction catalyst  
Brass  
Copper  
Iron

For all Organic Peroxides, compatible materials of contact are stainless steel 304 or 316 (preferred), high-density polyethylene (HDPE), polytetrafluoroethylene or glass linings.

### Conditions / hazards to avoid:

See HANDLING AND STORAGE section of this MSDS for specified conditions. SADT - Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction. This reaction will generate flammable vapors which may autoignite. The length of time to generate a decomposition reaction, after the SADT has been reached or exceeded, is dependent upon how much the SADT has been exceeded and the length of time needed for the reaction exotherm (heat spike from increasing decomposition rate) to initiate a rapid decomposition reaction. Typically, SADT is inversely proportional to package size. Larger packages will have a lower SADT due to smaller ratio to heat transfer area to volume of product.

### Hazardous decomposition products:

Temperatures at or above SADT can result in the release of hazardous decomposition products which are flammable and may autoignite.

Thermal decomposition giving flammable and toxic products :

Carbon oxides  
Hazardous organic compounds

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**SECTION 11: TOXICOLOGICAL INFORMATION**

Data on this material and/or its components are summarized below.

**Data for LUPEROX® RTM****Acute toxicity****Oral:**

Harmful if swallowed. Acute toxicity estimate = 1,115 mg/kg.

**Dermal:**

Practically nontoxic. Acute toxicity estimate > 5,000 mg/kg.

**Inhalation:**

Practically nontoxic. 4 h Acute toxicity estimate > 10 mg/l. (dust/mist)

**Data for 1,3,5-Triazine, 2,4,6-tris(2-propenyloxy)- (101-37-1)****Acute toxicity****Oral:**

Harmful if swallowed. (rat) LD50 = 753 mg/kg.

**Dermal:**

No deaths occurred. (rabbit) LD0 > 2,000 mg/kg.

**Inhalation:**

No deaths occurred. (rat) 1 h LC0 > 0.333 mg/l. (saturated vapor)

**Skin Irritation:**

Not irritating. (rabbit) (4 h) (occluded exposure)

**Eye Irritation:**

Causes mild eye irritation. (rabbit)

**Skin Sensitization:**

Not a sensitizer. LLNA: Local Lymph Node Assay. (mouse) No skin allergy was observed.

Not a sensitizer. Buehler Test. (guinea pig) No skin allergy was observed.

**Repeated dose toxicity**

Repeated oral administration to rat / affected organ(s): liver, central nervous system / signs: central nervous system depression, loss of muscle coordination, convulsions, changes in food or water consumption, increased organ weight, changes in organ structure or function, (at the highest dose level)

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, animal cells, human cells

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**Genotoxicity****Assessment in Vivo:**

No genetic changes were observed in a laboratory test using: mice

**Developmental toxicity**

Exposure during pregnancy. Oral (rat) / At high dose : Fetal growth retardation Side effects due to maternal toxicity.

**Data for Peroxide, [1,3(or 1,4)-phenylenebis(1-methylethylidene)]bis[(1,1-dimethylethyl) (25155-25-3)****Acute toxicity****Oral:**

No deaths occurred. (rat) LD0 > 2,000 mg/kg. (98 %)

**Dermal:**

No deaths occurred. (rat) LD0 > 2,000 mg/kg. (97 %)

**Skin Irritation:**

Not irritating. (rabbit) (4 h)

**Eye Irritation:**

Causes mild eye irritation. (rabbit)

**Skin Sensitization:**

Not a sensitizer. LLNA: Local Lymph Node Assay. (mouse) No skin allergy was observed (98 %)

**Repeated dose toxicity**

Subchronic oral administration to rat / affected organ(s): kidney / signs: changes in organ structure or function, hyaline droplet nephropathy

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, animal cells, human cells

**Developmental toxicity**

Exposure during pregnancy. Oral (rat) / Birth defects were observed. at doses that produce effects in mothers

**Reproductive effects**

Reproductive/Developmental Effects Screening Assay. Oral (rat) / Effects on fertility / (levels produced toxic effects in the mothers and offspring, smaller litter sizes, reductions in birth weight)

**Human experience****Inhalation:**

Respiratory tract: irritation. Dust and/or vapor are reported to cause irritation when proper industrial hygiene controls/procedures are not used.

**Human experience****Eye contact:**

Eyes: irritation. (based on reports of occupational exposure to workers) Dust and/or vapor are reported to cause

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irritation when proper industrial hygiene controls/procedures are not used.

**Data for Proprietary additive (Proprietary)****Acute toxicity****Oral:**

Harmful if swallowed. (rat) LD50 = 951 mg/kg.

**Dermal:**

Harmful in contact with skin. (guinea pig) LD50 > 1,000 mg/kg.

**Inhalation:**

Harmful if inhaled. (rat) 4 h LC50 > 4.2 mg/l. (dust/mist)

**Skin Irritation:**

Causes skin irritation. (guinea pig) (24 h)

**Eye Irritation:**

Causes serious eye irritation. (rabbit)

**Repeated dose toxicity**

Chronic dietary administration to rat and dog / affected organ(s): Kidney, Haematopoietic system / Local irritation

**Carcinogenicity**

Chronic dietary administration to rat, mouse / No increase in tumor incidence was reported.

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria

Both positive and negative responses for genetic changes were observed in laboratory tests using: animal cells

**Genotoxicity****Assessment in Vivo:**

No genetic changes were observed in laboratory tests using: mice

An equivocal response has been reported in a test using: rats

**Developmental toxicity**

Exposure during pregnancy. dietary, dermal (rat) / No birth defects were observed.

**Reproductive effects**

Reproduction test. dietary (rat) / Did not cause damage to the reproductive organs. / (levels produced toxic effects in the mothers and offspring, increased mortality in the offspring, delays in development)

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**Human experience****Skin contact:**

Skin: Skin allergy was observed. (repeated or prolonged exposure)

**Data for Impurity (Proprietary)****Acute toxicity****Oral:**

May be harmful if swallowed. (rat) LD50 = 4,700 mg/kg.

**Dermal:**

No deaths occurred. (rat) LD0 > 2,000 mg/kg.

**Skin Irritation:**

Causes skin irritation.

**Eye Irritation:**

Causes serious eye irritation.

**Other information**

The information presented is from a representative material with a similar structure. The results vary depending on the size and composition of the test substance.

**SECTION 12: ECOLOGICAL INFORMATION****Chemical Fate and Pathway**

Data on this material and/or its components are summarized below.

**Data for 1,3,5-Triazine, 2,4,6-tris(2-propenyloxy)- (101-37-1)****Biodegradation:**

Not readily biodegradable. (28 d) biodegradation 9 %

**Octanol Water Partition Coefficient:**

log Pow: = 3.51, at 68 °F (20 °C)

**Data for Peroxide, [1,3(or 1,4)-phenylenebis(1-methylethylidene)]bis[(1,1-dimethylethyl) (25155-25-3)****Biodegradation:**

Not readily biodegradable. (28 d) biodegradation 0 %

**Bioaccumulation:**

= 1,820 (Oncorhynchus mykiss (rainbow trout))

**Octanol Water Partition Coefficient:**

log Pow: 7.3, at 68 °F (20 °C) pH = 5 - 9

**Data for Proprietary additive (Proprietary)**

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**Biodegradation:**

Not readily biodegradable. (35 d) biodegradation 52.9 %

**Octanol Water Partition Coefficient:**

log Pow: = 1.52, at 77 °F (25 °C)

**Data for Proprietary constituent (Proprietary)****Biodegradation:**

Not readily biodegradable. (28 d) biodegradation 6 %

**Octanol Water Partition Coefficient:**

log Pow: = 2.44, at 86 °F (30 °C) pH = 6.7

**Ecotoxicology**

Data on this material and/or its components are summarized below.

**Data for 1,3,5-Triazine, 2,4,6-tris(2-propenyloxy)- (101-37-1)****Aquatic toxicity data:**

Toxic. Danio rerio (zebra fish) 96 h LC50 = 7.05 mg/l

**Aquatic invertebrates:**

Harmful. Daphnia magna (Water flea) 48 h EC50 = 40 mg/l

**Algae:**

Harmful. Desmodesmus subspicatus (green algae) 72 h ErC50 = 10.52 mg/l

**Microorganisms:**

Respiration inhibition / Activated sludge 3 h EC50 > 1,000 mg/l

**Chronic toxicity to aquatic plants:**

Practically nontoxic. Desmodesmus subspicatus (green algae) 72 h ErC10 = 3.68 mg/l

**Data for Peroxide, [1,3(or 1,4)-phenylenebis(1-methylethylidene)]bis[(1,1-dimethylethyl) (25155-25-3)****Aquatic toxicity data:**

No effect up to the limit of solubility. Poecilia reticulata (guppy) 96 h LC50 = 750 mg/l (Nominal concentration, Water accommodated fraction was tested.)

**Aquatic invertebrates:**

No effect up to the limit of solubility. Daphnia magna (Water flea) 48 h EC50 > 1 mg/l (Nominal concentration, Water accommodated fraction was tested.)

**Algae:**

No effect up to the limit of solubility. Pseudokirchneriella subcapitata (green algae) 72 h EC0 > 1 mg/l (Nominal concentration, Water accommodated fraction was tested.)

**Microorganisms:**

Respiration inhibition / Activated sludge 30 min EC0 > 1,000 mg/l

**Chronic toxicity to aquatic invertebrates:**

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No effect up to the limit of solubility. *Daphnia magna* (Water flea) 21 d NOEC r

**Chronic toxicity to aquatic plants:**

No effect up to the limit of solubility. *Pseudokirchneriella subcapitata* (green algae) 72 h NOEC r

**Data for Proprietary additive (Proprietary)****Aquatic toxicity data:**

Very toxic. *Danio rerio* (zebra fish) 96 h LC50 > 0.3 - < 0.48 mg/l

**Aquatic invertebrates:**

Very toxic. *Daphnia magna* (Water flea) 48 h EC50 = 0.57 mg/l

**Algae:**

Toxic. *Desmodesmus subspicatus* (green algae) 72 h ErC50 = 9.3 mg/l

**Chronic toxicity to aquatic invertebrates:**

Very toxic. *Daphnia magna* (Water flea) 21 d NOEC = 0.05 mg/l

**Data for Proprietary constituent (Proprietary)****Aquatic toxicity data:**

Very toxic. *Cyprinus carpio* (Carp) 96 h LL50 = 0.19 mg/l (Nominal concentration)

**Aquatic invertebrates:**

Very toxic. *Daphnia magna* (Water flea) 48 h EC50 = 0.4 mg/l

**Algae:**

Very toxic. *Raphidocelis subcapitata* (freshwater green algae) 72 h EC50 = 0.038 mg/l

**Microorganisms:**

Respiration inhibition / Activated sludge NOEC > 1,000 mg/l

**Chronic toxicity to aquatic plants:**

Very toxic. *Raphidocelis subcapitata* (freshwater green algae) 72 d EC10 = 0.012 mg/l

**SECTION 13: DISPOSAL CONSIDERATIONS****Waste disposal:**

Disposal via incineration is recommended. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

Take appropriate measures to prevent release to the environment.

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**SECTION 14: TRANSPORT INFORMATION**

**US Department of Transportation (DOT)**

**UN Number** : 3077  
**Proper shipping name** : Environmentally hazardous substance, solid, n.o.s.  
**Technical name** : (Triallyl cyanurate)  
**Class** : 9  
**Packaging group** : III  
**Marine pollutant** : yes

**International Maritime Dangerous Goods Code (IMDG)**

**UN Number** : 3077  
**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
**Technical name** : (TRIALLYLCYANURATE)  
**Class** : 9  
**Packaging group** : III  
**Marine pollutant** : yes

**SECTION 15: REGULATORY INFORMATION**

**Chemical Inventory Status**

USA. List of Active Substances on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory, as amended	TSCA	The components of this product are all on the Active TSCA Inventory.
Canadian Domestic Substances List (DSL)	DSL	All components of this product are on the Canadian DSL
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC (CN)	All components of this product are listed or exempted
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	Not all components of this product are listed or exempted
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	Not all components of this product are listed or exempted
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	All components of this product are listed or exempted
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	All components of this product are listed or exempted
Australian Inventory of Industrial Chemicals	AU AIICL	All components of this product are listed or exempted

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Taiwan Chemical Substance Inventory (TCSI)

TCSI

All components of this product are listed or exempted

**United States – Federal Regulations**

**SARA Title III – Section 302 Extremely Hazardous Chemicals:**

The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.

**SARA Title III - Section 311/312 Hazard Categories:**

Acute Health Hazard  
Reactivity Hazard  
Organic peroxides  
Acute toxicity (any route of exposure)  
Respiratory or skin sensitisation

**SARA Title III – Section 313 Toxic Chemicals:**

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.

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):**

The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

**United States – State Regulations**

**California Prop. 65**

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

**SECTION 16: OTHER INFORMATION**

**Full text of H-Statements referred to under sections 2 and 3.**

H242 Heating may cause a fire.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.

Product code: 605000

Version 2.4

Issued on: 02/16/2024

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SAFETY DATA SHEET



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Latest Revision(s):

Reference number: 200014260  
Date of Revision: 02/16/2024  
Date Printed: 02/16/2024

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