

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product Name Accura® Bluestone™

Other means of identification

Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use For use with SLA Systems

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet**Manufacturer**3D Systems GmbH
Waldecker Straße 13
64546 Moerfelden-Walldorf
Germany

For further information, please contact

E-mail address moreinfo@3dsystems.com

Non-Emergency Telephone Number +49 6105 3248100

1.4. Emergency telephone number

Emergency Telephone Chemtrec - 0800 1817059

Emergency Telephone - :

Europe 112

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains 3,4 Epoxycyclohexylmethyl 3,4 Epoxycyclohexane carboxylate


Signal word

Warning

Hazard statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

EUH208 - Contains Sulfanedioldibenzene-4,1-diyl)bis(diphenylsulfonium) bis(hexafluoroantimonate) May produce an allergic reaction.

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P273 - Avoid release to the environment

P272 - Contaminated work clothing should not be allowed out of the workplace

P280 - Wear protective gloves and eye/face protection

P321 - Specific treatment: Wash contaminated skin with soap and water. Wash eyes with clean water for about 15 minutes.

P362 + P364 - Take off contaminated clothing and wash it before reuse

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

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

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

2.3. Other hazards

Use with local exhaust ventilation. Store out of direct sunlight, UV light sources or heat. Toxic to aquatic life.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients
3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
3,4 Epoxycyclohexylmethyl 3,4 Epoxycyclohexane carboxylate	30 - 40	No data available	219-207-4	Skin Sens. 1 (H317)

2386-87-0				
Nonhazardous Components NA	40 - 50	No data available	-	Not Classified
Sulfanediylidibenzene-4,1-diyl)bis(diphenylsulfonium) bis(hexafluoroantimonate) 89452-37-9	0.92	01-2119489429-20-000 0	931-161-3	Acute Tox. 4 (H302) Aquatic Chronic 2 (H411)
Propylene Carbonate 108-32-7	1 - 10	No data available	203-572-1	Eye Irrit. 2 (H319)
Titanium Dioxide as liquid (CAS13463-67-7) PROPRIETARY	0.00216	No data available	-	No data available

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures
4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Ensure adequate ventilation. Avoid breathing vapors or mists. May cause respiratory irritation. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Eye contact	Keep eye wide open while rinsing. Get medical attention if irritation develops and persists. Avoid contact with eyes. Do not rub affected area. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Skin contact	May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. IF ON SKIN: Wash with plenty of soap and water. Get immediate medical advice and attention.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. May be harmful if swallowed. If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Get immediate medical advice and attention.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

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

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical, CO ₂ , water spray or regular foam.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Product is or contains a sensitizer. May cause sensitization by skin contact.
Hazardous combustion products	Hydrocarbons. Carbon dioxide (CO ₂). Carbon monoxide. Nitrogen oxides (NO _x).

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary. Cool drums with water spray.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing (dust, vapor, mist, gas).
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so.
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6.3. Methods and material for containment and cleaning up

Methods for containment	Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Use of certified respirators and chemical resistant gloves are required to avoid exposure to any unreacted materials during spill clean-up (use of a 3M 6000 respirator with organic vapor cartridge A2 or half mask 3M 4251 is recommended). Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Prevention of secondary hazards	Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Keep away from heat and sparks - No Smoking. Use personal protection recommended in Section 8. When using do not eat or drink.

General hygiene considerations

Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. If the cured material is machined or sanded, respirable dust could be generated, and appropriate precautions should be taken. If ventilation cannot effectively keep dust concentrations below established limits, appropriate certified respiratory protection must be provided.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep only in the original container. Keep containers tightly closed in a cool, well-ventilated place. Store/keep away from direct sunlight and UV light sources. Store at temperatures not exceeding 35 °C/ 95 °F.

Storage class (TRGS 510)

Storage class 12.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Sulfaneyldibenzene-4,1-diy)bis(diphenylsulfonium)bis(hexafluoroantimonate) 89452-37-9	-	TWA: 0.5 mg/m ³ STEL 1.5 mg/m ³	TWA: 0.5 mg/m ³	-	TWA: 0.5 mg/m ³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Sulfaneyldibenzene-4,1-diy)bis(diphenylsulfonium)bis(hexafluoroantimonate) 89452-37-9	-	TWA: 0.5 mg/m ³ Ceiling: 1.5 mg/m ³	TWA: 0.5 mg/m ³	-	TWA: 0.5 mg/m ³
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
3,4 Epoxycyclohexylmethyl 3,4 Epoxycyclohexane carboxylate 2386-87-0	-	-	* skin sensitizer	-	-
Sulfaneyldibenzene-4,1-diy)bis(diphenylsulfonium)bis(hexafluoroantimonate)	TWA: 0.5 mg/m ³	-	-	TWA: 0.5 mg/m ³	-

89452-37-9					
Propylene Carbonate 108-32-7	-	TWA: 2 ppm TWA: 8.5 mg/m ³	TWA: 2 ppm TWA: 8.5 mg/m ³ Peak: 2 ppm Peak: 8.5 mg/m ³	-	-
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Sulfanediyl dibenzene-4,1 -diyl)bis(diphenylsulfoni um) bis(hexafluoroantimonate) 89452-37-9	TWA: 0.5 mg/m ³ STEL: 1.5 mg/m ³	-	TWA: 0.5 mg/m ³	-	-
Propylene Carbonate 108-32-7	-	-	-	TWA: 2 mg/m ³	TWA: 7 mg/m ³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Sulfanediyl dibenzene-4,1 -diyl)bis(diphenylsulfoni um) bis(hexafluoroantimonate) 89452-37-9	-	-	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³ STEL: 1.5 mg/m ³	-
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Sulfanediyl dibenzene-4,1 -diyl)bis(diphenylsulfoni um) bis(hexafluoroantimonate) 89452-37-9	TWA: 0.5 mg/m ³	-	TWA: 0.5 mg/m ³	-	TWA: 0.5 mg/m ³
Chemical name	Sweden		Switzerland	United Kingdom	
Sulfanediyl dibenzene-4,1-diyl)bi s(diphenylsulfonium) bis(hexafluoroantimonate) 89452-37-9	NGV: 0.25 mg/m ³		-	TWA: 0.5 mg/m ³ STEL: 1.5 mg/m ³	
Propylene Carbonate 108-32-7	-	-	TWA: 6 ppm TWA: 25.5 mg/m ³ STEL: 6 ppm STEL: 25.5 mg/m ³	-	-

Biological occupational exposure limits

Chemical name	Latvia	Luxembourg	Romania	Slovakia
Sulfanediyl dibenzene-4,1 -diyl)bis(diphenylsulfoni um) bis(hexafluoroantimonate) 89452-37-9	-	-	5 mg/g Creatinine - urine (Fluorine) - end of shift	-

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Eyewash stations. Recommend users establish appropriate engineering control measures, including but not limited to local exhaust ventilation, in rooms/areas where printers are installed and in post-processing areas, to minimize inhalation exposure.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Impervious gloves. Wear suitable gloves. Impervious gloves.

Gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
Short term	Nitrile rubber	8 mil	

Skin and body protection Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. If the cured material is machined or sanded, respirable dust could be generated, and appropriate precautions should be taken. If ventilation cannot effectively keep dust concentrations below established limits, appropriate certified respiratory protection must be provided.

Environmental exposure controls Do not allow to enter into soil/subsoil. Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Viscous
Color	blue
Odor	Mild Acrylic.
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	-
Boiling point / boiling range	No data available	-
Flammability (solid, gas)	No data available	-
Flammability Limit in Air		-
Upper flammability or explosive limits	-	
Lower flammability or explosive limits	-	
Flash point	234 °C	-
Autoignition temperature	No data available	-
Decomposition temperature		-
pH	No data available	-
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	-
Dynamic viscosity	1000 2000 mPa s	-
Water solubility	Slightly soluble	-
Solubility(ies)	No data available	-
Partition coefficient	No data available	-

Vapor pressure	0.157	-
Relative density	No data available	-
Bulk density	No data available	
Liquid Density	No data available	
Relative vapor density	No data available	-
Particle characteristics		-
Particle Size	-	
Particle Size Distribution	-	

9.2. Other information

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available -

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under normal conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store out of direct sunlight, UV light sources or heat.

10.5. Incompatible materials

Incompatible materials Strong oxidizing agents, strong acids, and strong bases. Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

Acute toxicity
Numerical measures of toxicity

No information available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
3,4 Epoxycyclohexylmethyl 3,4 Epoxycyclohexane carboxylate	= 5000 mg/kg (Rat)	= 23600 mg/kg (Rabbit)	-
Propylene Carbonate	= 29000 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-

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

Skin corrosion/irritation	Classification based on data available for ingredients. Causes skin irritation.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Unknown aquatic toxicity Contains 74.47762 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
3,4 Epoxycyclohexylmethyl 3,4 Epoxycyclohexane carboxylate	-	LC50: =24mg/L (96h, Oncorhynchus mykiss)	-	-
Propylene Carbonate	EC50: >500mg/L (72h, Desmodesmus subspicatus)	LC50: >1000mg/L (96h, Cyprinus carpio)	-	EC50: >500mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
3,4 Epoxycyclohexylmethyl 3,4 Epoxycyclohexane carboxylate	1.34
Sulfanediyl(dibenzene-4,1-diyl)bis(diphenylsulfonium) bis(hexafluoroantimonate)	4.09
Propylene Carbonate	0.48

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
3,4 Epoxycyclohexylmethyl 3,4 Epoxycyclohexane carboxylate	The substance is not PBT / vPvB
Propylene Carbonate	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Reduce waste by attempting to utilize product completely. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV 070208.

SECTION 14: Transport information

IATA

- 14.1 UN number or ID number Not regulated
- 14.2 UN proper shipping name Not regulated
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing group Not regulated
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for user
Special Provisions None

IMDG

- 14.1 UN number or ID number Not regulated
- 14.2 UN proper shipping name Not regulated
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing group Not regulated
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for user
Special Provisions None
- 14.7 Maritime transport in bulk according to IMO instruments No information available

RID

- 14.1 UN number or ID number Not regulated
- 14.2 UN proper shipping name Not regulated
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing group Not regulated
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for user
Special Provisions None

ADR

- 14.1 UN number or ID number Not regulated
- 14.2 UN proper shipping name Not regulated
- 14.3 Transport hazard class(es) Not regulated

14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

France

Occupational Illnesses (R-463-3, France)

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

Switzerland

SR814.018 Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) of 12 November 1997.

Switzerland. Schedules 1A-3B on Substances Subject to ChKV, Regulation on the Control of Chemicals with Civilian and Military Use (ChKV): None

Accura Bluestone does not contain VOCs which are subject for taxation.

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Propylene Carbonate - 108-32-7	75.	-

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

TSCA

All ingredients are listed (Active) or exempt.

DSL/NDL

All ingredients are listed or exempt.

EINECS/ELINCS

All ingredients are listed or exempt.

ENCS

All ingredients are listed or exempt.

IECSC

All ingredients are listed or exempt.

KECL	All ingredients are listed or exempt.
PICCS	All ingredients are listed or exempt.
AICS	All ingredients are listed or exempt.
TCSI	All ingredients are listed or exempt.
NZIoC	All ingredients are listed or exempt.

Legend:

TSCA	- United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL	- 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
NZIoC	- New Zealand Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information
Key or legend to abbreviations and acronyms used in the safety data sheet
Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H360 - May damage fertility or the unborn child
 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
 H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method

Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

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)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 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)
 National Institute of Technology and Evaluation (NITE)
 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
 World Health Organization

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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