



Dragon's Blood Fragrance Oil

Safety Data Sheet

According to Feder Register | Vol. 77, No. 58 | Monday, March 26, 2012 | Rules & Regulations
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SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Trade Name Dragon's Blood Fragrance Oil

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses General use

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

IndiMade Brands, LLC DBA The Flaming Candle
71 Southern Court
Hiram, GA 30141
(770) 505-4999
www.TheFlamingCandle.com

1.4 EMERGENCY TELEPHONE NUMBER

Emergency information service 800-255-3924 | Domestic USA, Canada, Puerto Rico, US Virgin Islands
+1-813-248-0585 | International

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard Class	Category	Hazard Class and Category	Hazard Statement
A.1I	Acute Toxicity (inhal.)	3	Acute Tox. 3	H331
B.6	Flammable Liquid	4	Flam. Liq. 4	H227

2.2 LABEL ELEMENTS

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Signal word Danger
Pictograms GHS06



Hazard statements

H227 Combustible liquid.
H331 Toxic if inhaled.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection/face protection.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P311 Call a poison center/doctor.
P321 Specific treatment (see on this label).
P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

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Dispose of contents/container to industrial combustion plant.

2.3 OTHER HAZARDS

This material is combustible, but will not ignite readily.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

Not relevant (mixture)

3.2 MIXTURES

Description of the mixture

IUPAC Name	CAS No	Wt%	Classification acc. to GHS
benzyl benzoate	120-51-4	50 - < 75	Acute Tox. 4 / H302
2-phenylethyl acetate	60-12-8 103-45-7	5 - < 10	Acute Tox. 2 / H330
2H-chromen-2-one	91-64-5	1 - < 5	Acute Tox. 3 / H301 Acute Tox. 3 / H311
2-methylpentane-2,4-diol	107-41-5	1 - < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319
(2E,6E)-2,6-dimethyl-10-methylidenedodeca-2,6,11-trienal; (2E,6E,9E)-2,6,10-trimethyldodeca-2,6,9,11-tetraenal; (4R)-1-methyl-4-(prop-1-en-2-yl)cyclohex-1-ene; 3,7-dimethylocta-1,6-dien-3-ol; 7-methyl-3-methylideneocta-1,6-diene; octanal	8008-57-9 8028-48-6	1 - < 5	Flam. Liq. 3 / H226
3,5,5-trimethylhexyl acetate	58430-94-7 894-86-0	1 - < 5	Flam. Liq. 4 / H227
3,7-dimethylocta-1,6-dien-3-ol	78-70-6	< 1	Skin Sens. 1B / H317 Flam. Liq. 4 / H227

For full text of abbreviations: see SECTION 16.

SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST-AID MEASURES

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms and effects are not known to date.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

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Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g., unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 ADVICE FOR FIREFIGHTERS

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 ENVIRONMENTAL PRECAUTIONS

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g., cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder.

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 REFERENCE TO OTHER SECTIONS

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapors into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

Specific notes/details

Places which are not ventilated, e.g., unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

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Managing of associated risks

Explosive atmospheres	Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.
Flammability hazards	Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.
Ventilation requirements	Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.
Packaging compatibilities	Only packagings which are approved (e.g., acc. to the Dangerous Goods Regulations) may be used.

7.3 SPECIFIC END USE(S)

See section 16 for a general overview.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of Substance	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
US	2-methylpentane-2,4-diol	107-41-5	PEL (CA)					25	125		Cal/OSHA PEL
US	2-methylpentane-2,4-diol	107-41-5	REL					25	125		NIOSH REL
US	2-methylpentane-2,4-diol	107-41-5	TLV®				10			i, aerosol	ACGIH® 2019
US	2-methylpentane-2,4-diol	107-41-5	TLV®	25		50				Vap	ACGIH® 2019
US	ethanoic acid phenylmethyl ester	140-11-4	PEL (CA)	10	61						Cal/OSHA PEL
US	ethanoic acid phenylmethyl ester	140-11-4	TLV®	10							ACGIH® 2019

8.2 EXPOSURE CONTROLS

Appropriate engineering controls	General ventilation.
Eye/face protection	Wear eye/face protection.
Skin protection	
Hand protection	Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Other protection measures	Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.
Respiratory protection	In case of inadequate ventilation wear respiratory protection.
Environmental exposure controls	Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Liquid
Color	Pale yellow
Odor	Comparable to standard
Other safety parameters	
pH (value)	Not determined

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Melting point/freezing point	Not determined
Initial boiling point and boiling range	320 °F at 1,026 hPa
Flash point	195 °F
Evaporation rate	Not determined
Flammability (solid, gas)	Not relevant (fluid)
Vapor pressure	186.4 Pa at 25 °C
Density	1.073 g/ml at 25 °C
Vapor density	This information is not available
Solubility(ies)	Not determined
Partition coefficient	
n-octanol/water (log KOW)	This information is not available
Auto-ignition temperature	419 °F (auto-ignition temperature (liquids and gases))
Viscosity	Not determined
Explosive properties	None
Oxidizing properties	None

9.2 OTHER INFORMATION

Liquid content	27.89 %
Solid content	72.11 %
Temperature class (USA, acc. to NEC 500)	T3 (maximum permissible surface temperature on the equipment: 200°C)

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated: Risk of ignition

10.2 CHEMICAL STABILITY

See below "Conditions to avoid".

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No known hazardous reactions.

10.4 CONDITIONS TO AVOID

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 INCOMPATIBLE MATERIALS

Oxidizers

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion product: see section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity	Toxic if inhaled. GHS of the United Nations, annex 4: May be harmful if inhaled.
Acute toxicity estimate (ATE)	Inhalation: vapor 9.961 mg/l/4h

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Skin corrosion/irritation	Shall not be classified as corrosive/irritant to skin.
Serious eye damage/eye irritation	Shall not be classified as seriously damaging to the eye or eye irritant.
Respiratory or skin sensitization	Contains LINALOOL 925. May produce an allergic reaction.
Germ cell mutagenicity	Shall not be classified as germ cell mutagenic.
Carcinogenicity	Shall not be classified as carcinogenic.
Reproductive toxicity	Shall not be classified as a reproductive toxicant.
Specific target organ toxicity – single exposure	Shall not be classified as a specific target organ toxicant (single exposure).
Specific target organ toxicity – repeated exposure	Shall not be classified as a specific target organ toxicant (repeated exposure).
Aspiration hazard	Shall not be classified as presenting an aspiration hazard.
Other information	Repeated exposure may cause skin dryness or cracking.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Very toxic to aquatic life with long lasting effects.

12.2 PERSISTENCE AND DEGRADABILITY

Data is not available.

12.3 BIOACCUMULATIVE POTENTIAL

Data is not available.

12.4 MOBILITY IN SOIL

Data is not available.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

Data is not available.

12.6 ENDOCRINE DISRUPTING PROPERTIES

Information on this property is not available.

12.7 OTHER ADVERSE EFFECTS

Data is not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Waste treatment-relevant information	Solvent reclamation/regeneration.
Sewage disposal-relevant information	Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.
Waste treatment of containers/packages	Only packagings which is approved (e.g., acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.
Remarks	Please consider the relevant national or regional provisions. Waste shall be separated into categories that can be handled separately by the local or national waste management facilities.

SECTION 14: TRANSPORT INFORMATION

14.1 UN NUMBER

DOT	UN 2810
IMDG-Code	UN 2810
ICAO-TI	UN 2810

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14.2 UN PROPER SHIPPING NAME

DOT	Toxic liquid, organic, n.o.s.
IMDG-Code	TOXIC LIQUID, ORGANIC, N.O.S.
ICAO-TI	Toxic liquid, organic, n.o.s.
Technical name (hazardous ingredients)	COUMARIN, ORANGE OIL MIDSEASON

14.3 TRANSPORT HAZARD CLASS(ES)

DOT	6.1
IMDG-Code	6.1
ICAO-TI	6.1

14.4 PACKING GROUP

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 ENVIRONMENTAL HAZARDS

Environmentally hazardous substance (aquatic)	BENZYL BENZOATE
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14.6 SPECIAL PRECAUTIONS FOR USER

There is no additional information



14.7 TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

The cargo is not intended to be carried in bulk.

14.7.1 TRANSPORT OF DANGEROUS GOODS BY ROAD OR RAIL (49 CFR US DOT) - ADDITIONAL INFORMATION

Particulars in the shipper's declaration	UN2810, Toxic liquid, organic, n.o.s., (contains: COUMARIN, ORANGE OIL MIDSEASON), 6.1, III, environmentally hazardous
Danger label(s)	6.1, fish and tree
 	
Environmental hazards	Yes (hazardous to the aquatic environment)
Special provisions (SP)	IB3, T7, TP1, TP28
ERG No	153

14.7.2 INTERNATIONAL MARITIME DANGEROUS GOOD CODE (IMDG) - ADDITIONAL INFORMATION

Marine pollutant	yes (hazardous to the aquatic environment) (DIOCTYL ADIPATE)
Danger label(s)	6.1, fish and tree
 	
Special provisions (SP)	223, 274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-A
Stowage category	A

14.7.3 INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO-IATA/DGR) - ADDITIONAL INFORMATION

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Environmental hazards Yes (hazardous to the aquatic environment)
Danger label(s) 6.1



Special provisions (SP) A97, A158, A197
Excepted quantities (EQ) E1
Limited quantities (LQ) 2 L

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION

15.1.1 NATIONAL REGULATIONS (UNITED STATES)

Superfund Amendment and Reauthorization Act (SARA TITLE III) : None of the ingredients are listed
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) : None of the ingredients are listed
Clean Air Act : None of the ingredients are listed
Right to Know Hazardous Substance List
Cleaning Product Right to Know Act : Benzyl Benzoate, CAS no. 120-51-4
Substance List (CA-RTK) : 2H-chromen-2-one, CAS no. 91-64-5
Toxic or Hazardous Substance List (MA-TURA) : None of the ingredients are listed
Hazardous Substances List (MN-ERTK) : Hexylene Glycol, CAS no. 107-41-5
Hazardous Substance List (NJ-RTK) : 2-methylpentane-2,4-diol, CAS no. 107-41-5
Hazardous Substance List (Chapter 323) (PA-RTK) : 2,4-PENTANEDIOL, 2-METHYL-, CAS no. 107-41-5
Hazardous Substance List (RI-RTK) : Hexylene Glycol, CAS no. 107-41-5
California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987 : None of the ingredients are listed

15.1.2 INDUSTRY OR SECTOR SPECIFIC AVAILABLE GUIDANCE(S)

NPCA-HMIS® III (Hazardous Materials Identification System. American Coatings Association.)

Category	Rating	Description
Chronic	/	None
Health	1	Irritation or minor reversible injury possible
Flammability	2	Material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	Material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704 [National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).]

Category	Degree of Hazard	Description
Flammability	2	Material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	0	Material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	Material that is normally stable, even under fire conditions
Special hazard		

15.2 CHEMICAL SAFETY ASSESSMENT

Chemical safety assessments for substance in this mixture were not carried out.

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
ACGIH® 2019	From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
Acute Tox.	Acute toxicity
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DOT	Department of Transportation (USA)
EmS	Emergency Schedule
ERG No	Emergency Response Guidebook – Number
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
IUPAC	International Union of Pure and Applied Chemistry
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
STEL	Short-term exposure limit
TLV®	Threshold Limit Values
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

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Classification procedure

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.