

**SECTION 1: Identification** 

# PURPLE HAZE SOLVENT FREE TERPENE FLAVOR

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 01/03/2023 Version: 1.0

SECTION 1. Identification			
1.1. Identification			
Product form	: Mixture		
Product name	: PURPLE HAZE SOLVENT FREE TERPENE FLAVOR		
Product code	: TPBL231		
	. IFDL251		
1.2. Recommended use and restrictions	on use		
1.3. Supplier			
EXTRACT CONSULTANTS, LLC.			
TERPENES - FLAVORS - BASES			
PO BOX 11433, DENVER, CO 80211			
www.extractconsultants.com			
INFORMATION: 1-888-541-9089			
1.4. Emergency telephone number			
Emergency number	: CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300		
	CCN 13010		
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or m	ixture		
GHS US classification			
Flammable liquids Category 3	Flammable liquid and vapor		
Skin corrosion/irritation Category 2	Causes skin irritation		
Serious eye damage/eye irritation Category 2	Causes serious eye irritation		
Skin sensitization, Category 1	May cause an allergic skin reaction		
Aspiration hazard Category 1	May be fatal if swallowed and enters airways		
2.2. GHS Label elements, including prec	autionary statements		
GHS US labeling	autonary statements		
•			
Hazard pictograms (GHS US)	$\wedge \wedge \wedge$		
	GHS02 GHS07 GHS08		
Signal word (GHS US)	: Danger		
Hazard statements (GHS US)	: Flammable liquid and vapor		
	May be fatal if swallowed and enters airways		
	Causes skin irritation		
	May cause an allergic skin reaction		
	Causes serious eye irritation		
Precautionary statements (GHS US)	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No		
	smoking.		
	Keep container tightly closed. Ground/Bond container and receiving equipment.		
	Use explosion-proof electrical/ventilating/lighting equipment.		
	Use only non-sparking tools.		
	Take precautionary measures against static discharge.		
	Avoid breathing dust/fume/gas/mist/vapors/spray.		
	Wash hands, forearms and face thoroughly after handling.		
	Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.		
	If swallowed: Immediately call a poison center or doctor.		
	If on skin: Wash with plenty of water.		
	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with		
	water/shower.		
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present		
	and easy to do. Continue rinsing. Specific treatment (see supplemental first aid instruction on this label)		
01/02/2022	Specific treatment (see supplemental first aid instruction on this label).		

EN (English US)

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Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.
In case of fire: Use media other than water to extinguish.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance
with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
LINALOOL	(CAS-No.) 78-70-6	25 – 50	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
α-Terpineol	(CAS-No.) 98-55-5	25 – 50	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319
BETA-PINENE	(CAS-No.) 127-91-3	10 – 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
MYRCENE	(CAS-No.) 123-35-3	5 – 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Asp. Tox. 1, H304
L-ALPHA-PINENE	(CAS-No.) 7785-26-4	5 – 10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
LINALYL ACETATE	(CAS-No.) 115-95-7	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
ETHYL BUTYRATE	(CAS-No.) 105-54-4	1 – 5	Flam. Liq. 3, H226 Eye Irrit. 2A, H319

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effect	ts (acute and delayed)
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

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4.3. Immediate	e medical attention and speci	al treatment, if necessary
Treat symptomaticall		
SECTION 5: Fire	e-fighting measures	
	and unsuitable) extinguishing	n media
Suitable extinguishing		Water spray. Dry powder. Foam. Carbon dioxide.
_	azards arising from the chen	
Fire hazard		Flammable liquid and vapor.
Reactivity		Flammable liquid and vapor.
,	otective equipment and prec	· · ·
Protection during fire		Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Acc	cidental release measu	res
		ment and emergency procedures
6.1.1. For non-ei Emergency procedur	mergency personnel es	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
6.1.2. For emerg Protective equipment	ency responders	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environme	ental precautions	
Avoid release to the	environment.	
6.3. Methods a	ind material for containment	and cleaning up
Methods for cleaning	up :	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	:	Dispose of materials or solid residues at an authorized site.
6.4. Reference	to other sections	
For further informatio	on refer to section 13.	
<b>SECTION 7: Har</b>	ndling and storage	
7.1. Precaution	ns for safe handling	
Precautions for safe	handling :	Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene measures	:	Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions	s for safe storage, including	any incompatibilities
Technical measures		Ground/bond container and receiving equipment.
Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
SECTION 8: Exp	oosure controls/person	al protection
8.1. Control pa		

PURPLE HAZE SOLVENT FREE TERPENE FLAVOR
No additional information available
L-ALPHA-PINENE (7785-26-4)
No additional information available
α-Terpineol (98-55-5)
No additional information available

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ETHYL BUTYRATE (105-54-4)	
No additional information available	
LINALOOL (78-70-6)	
No additional information available	
BETA-PINENE (127-91-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	β-Pimene
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2022
MYRCENE (123-35-3)	
No additional information available	
LINALYL ACETATE (115-95-7)	
No additional information available	

#### 8.2. Appropriate engineering controls

Appropriate engineering controls

: Ensure good ventilation of the work station.: Avoid release to the environment.

### Environmental exposure controls

Individual protection measures/Personal protective equipment

### Hand protection:

8.3.

Protective gloves

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment



SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
Physical state	: Liquid		
Color	: COLORLESS TO PALE YELLOW		
Odor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE		
Odor threshold	: No data available		
рН	: No data available		
Melting point	: Not applicable		
Freezing point	: No data available		
Boiling point	: No data available		
Flash point	: 51 °C		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: Not applicable.		
Vapor pressure	: No data available		
Relative vapor density at 20 °C	: No data available		
Relative density	: 0.878 (0.868 – 0.888)		
2.4/22.202.20			

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Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	

Refractive	index

: 1.46954 (1.45954 - 1.47954)

SECTION 10: Stability and read	ctivity
10.1. Reactivity	
Flammable liquid and vapor.	
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous read	tions
No dangerous reactions known under no	rmal conditions of use.
10.4. Conditions to avoid	
	o flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials	· ·
No additional information available	
10.6. Hazardous decomposition p	roducts
	use, hazardous decomposition products should not be produced.
SECTION 11: Toxicological inf	
11.1. Information on toxicological	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
L-ALPHA-PINENE (7785-26-4)	
ATE US (oral)	500 mg/kg body weight
α-Terpineol (98-55-5)	
LD50 oral rat	4300 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2900 - 5700
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE US (oral)	4300 mg/kg body weight
ETHYL BUTYRATE (105-54-4)	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Remarks on results: other:
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LC50 Inhalation - Rat [ppm]	> 4000 ppm Animal: rat, Guideline: other:, Remarks on results: other:
LINALOOL (78-70-6)	
ATE US (oral)	2790 mg/kg body weight
BETA-PINENE (127-91-3)	
LD50 oral rat	4700 mg/kg (Rat, Oral)
ATE US (oral)	4700 mg/kg body weight
MYRCENE (123-35-3)	
LD50 oral rat	> 11390 mg/kg body weight Animal: rat

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MYRCENE (123-35-3)	
LD50 dermal rabbit	> 5000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
MYRCENE (123-35-3)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
α-Terpineol (98-55-5)	
NOAEL (oral,rat,90 days)	≥ 314 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents)
MYRCENE (123-35-3)	
LOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic,oral,animal/male,90 days)	500 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic,oral,animal/female,90 days)	250 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
α-Terpineol (98-55-5)	
LC50 - Fish [1]	70 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	73 mg/l Test organisms (species): Daphnia magna
ETHYL BUTYRATE (105-54-4)	
LC50 - Fish [1]	≥ 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	116.6 mg/l Test organisms (species): Daphnia magna
NOEC (chronic)	28833 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	1483 mg/l Test organisms (species): other: Duration: '28 d'
BETA-PINENE (127-91-3)	
LC50 - Fish [1]	0.557 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio, Semi-static system, Fresh water, Weight of evidence, Other isomer)
ErC50 algae	0.826 mg/l (OECD 201: Alga, Growth Inhibition Test, 48 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Weight of evidence, Other isomer)

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EC50 - Crustacea [1] 1.47 mg/l Test organisms (species): Daphnia magna	MYRCENE (123-35-3)		
		EC50 - Crustacea [1]	1.47 mg/l Test organisms (species): Daphnia magna

### 12.2. Persistence and degradability

BETA-PINENE (127-91-3)	
Persistence and degradability	Readily biodegradable in water.

### 12.3. Bioaccumulative potential

TA-PINENE (127-91-3)			
BCF - Fish [1]	1125 I/kg (BCFBAF v3.01, Pisces, Fresh water, QSAR, Other isomer)		
Partition coefficient n-octanol/water (Log Pow)	4.425 (Similar product, Read-across, Equivalent or similar to OECD 107, 25 °C)		
Bioaccumulative potential	Potential for bioaccumulation ( $4 \le Log \text{ Kow} \le 5$ ).		

### 12.4. Mobility in soil

BETA-PINENE (127-91-3)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.009 – 3.836 (log Koc, Calculated value, Other isomer)
Ecology - soil	Low potential for mobility in soil.

### 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Disposal methods		
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Additional information	: Flammable vapors may accumulate in the container.	
SECTION 14: Transport information		
Department of Transportation (DOT)		
In accordance with DOT		
Transport document description (DOT)	: UN1197 Extracts, flavoring, liquid (Regulated for Bulk only), 3, III	
UN-No.(DOT)	: UN1197	
Proper Shipping Name (DOT)	: Extracts, flavoring, liquid	
	(Regulated for Bulk only)	
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120	
Packing group (DOT)	: III - Minor Danger	
Hazard labels (DOT)	: 3 - Flammable liquid	
	FAMILARE LIQUE	
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203	
DOT Packaging Bulk (49 CFR 173.xxx)	: 242	

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DOT Special Provisions (49 CFR 172.102)	<ul> <li>B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.</li> <li>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).</li> <li>T2 - 1.5 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 127
Other information	: No supplementary information available.
Transportation of Dangerous Goods	
Transport document description (TDG)	: UN1197 EXTRACTS, FLAVOURING, LIQUID (Regulated for Bulk only), 3, III
UN-No. (TDG)	: UN1197
Proper Shipping Name (TDG)	: EXTRACTS, FLAVOURING, LIQUID
TDG Primary Hazard Classes	: 3 - Class 3 - Flammable Liquids
Packing group (TDG)	: III - Minor Danger
Explosive Limit and Limited Quantity Index	: 5L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 60 L
Transport by sea	
Transport document description (IMDG)	: UN 1197 EXTRACTS, FLAVOURING, LIQUID, 3, III
UN-No. (IMDG)	: 1197
Proper Shipping Name (IMDG)	: EXTRACTS, FLAVORING, LIQUID
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	
Transport document description (IATA)	: UN 1197 Extracts, flavouring, liquid, 3, III
UN-No. (IATA)	: 1197
Proper Shipping Name (IATA)	: Extracts, flavouring, liquid
	: 3 - Flammable Liquids
Packing group (IATA)	: III - Minor Danger
SECTION 15: Regulatory information	

### 15.1. US Federal regulations

No additional information available

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### 15.2. International regulations

### CANADA

L-ALPHA-PINENE (7785-26-4)	
Listed on the Canadian NDSL (Non-Domestic Substances List)	
α-Terpineol (98-55-5)	
Listed on the Canadian DSL (Domestic Substances List)	
ETHYL BUTYRATE (105-54-4)	
Listed on the Canadian DSL (Domestic Substances List)	
LINALOOL (78-70-6)	
Listed on the Canadian DSL (Domestic Substances List)	
BETA-PINENE (127-91-3)	
Listed on the Canadian DSL (Domestic Substances List)	
MYRCENE (123-35-3)	
Listed on the Canadian DSL (Domestic Substances List)	
LINALYL ACETATE (115-95-7)	
Listed on the Canadian DSL (Domestic Substances List)	

#### **EU-Regulations**

No additional information available

#### National regulations

### L-ALPHA-PINENE (7785-26-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
--------------------------------------------------------------------------------------------

#### a-Terpineol (98-55-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

### ETHYL BUTYRATE (105-54-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### LINALOOL (78-70-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

### **BETA-PINENE (127-91-3)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### MYRCENE (123-35-3)

Listed on IARC (International Agency for Research on Cancer) Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### LINALYL ACETATE (115-95-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

🗥 WARNING:	This product can expose you to myrcene, which is known to the State of California to cause cancer. For more information
	go to www.P65Warnings.ca.gov.

Component	State or local regulations
ETHYL BUTYRATE(105-54-4)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

<b>SECTION 16: Other information</b>		

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Full text of H-phrases:		
H226	Flammable liquid and vapor	
H227	Combustible liquid	
H302	Harmful if swallowed	
H304	May be fatal if swallowed and enters airways	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H319	Causes serious eye irritation	
H320	Causes eye irritation	

### SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.