



This safety data sheet complies with the requirements of:
 Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 15-Mar-2017

Version 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code(s) 292TTB
Product name CANTALOUPE TYPE, NATURAL FLAVOR BLEND

Pure substance/mixture Mixture
 Contains ETHYL ALCOHOL

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

Recommended Use Ingredient for further processing

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer Apex Flavors, Inc.
 1371 Brass Mill Rd.
 Suite A
 Belcamp, MD 21017
 (410) 565-6600

For further information, please contact:

E-mail Address cpisano@apexflavors.com

1.4. Emergency telephone number

Emergency telephone Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

| | |
|--|----------------------|
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Carcinogenicity | Category 1A - (H350) |
| Flammable liquids | Category 3 - (H226) |

Classification according to EU Directives 67/548/EEC or 1999/45/EC
 For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s)
 Not dangerous

2.2. Label elements

Product identifier
 Contains ETHYL ALCOHOL



Signal Word
Danger

Hazard Statements

H319 - Causes serious eye irritation
H350 - May cause cancer
H226 - Flammable liquid and vapor

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

P201 - Obtain special instructions before use
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P370 + P378 - In case of fire: Use .? to extinguish
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

2.3. Other information

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| Chemical Name | EC-No | CAS-No | Weight % | Classification according to Directive 67/548/EEC or 1999/45/EC | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
|------------------|-----------|----------|----------|--|---|---------------------------|
| PROPYLENE GLYCOL | 200-338-0 | 57-55-6 | 50-90% | - | No data available | No data available |
| ETHYL ALCOHOL | 200-578-6 | 64-17-5 | 20-30% | F; R11 | Flam. Liq. 2 (H225) Flam. Liq. 2 (H225) | No data available |
| ETHYL ACETATE | Present | 141-78-6 | <1% | F; R11 Xi; R36 R66 R67 | Eye Irrit. 1 (H319) (EFFA) Flam. Liq. 2 (H225) (EFFA) Eye Irrit. 1 (H319) (EUH066) Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319) | No data available |
| ISOAMYL ACETATE | Present | 123-92-2 | <1% | R10 R66 | Aquatic Acute 3 (H402) (EFFA) (EUH066) Flam. Liq. 3 (H226) | No data available |
| BENZALDEHYDE | Present | 100-52-7 | <1% | Xn; R22 | Acute Tox. 4 (H302) Aquatic Acute 2 (H401) (EFFA) Eye Irrit. 1 (H319) (EFFA) Skin Irrit. 3 (316) (EFFA) Acute Tox. 4 (H302) (EFFA) Flam. Liq. 4 (H227) (EFFA) Acute Tox. 4 (H332) (EFFA) Aquatic Acute 2 (H401) Eye Irrit. 1 (H319) Skin Irrit. 3 (H316) Acute Tox. 4 (H302) Acute Tox. 4 (H332) | No data available |
| ACETALDEHYDE | 200-836-8 | 75-07-0 | <1% | F+; R12 | Carc. 2 (H351) (EFFA) Eye | No data available |

| | | | | | | |
|----------------|-----------|----------|-----|-------------------------------|--|-------------------|
| | | | | Xi; R36/37 Carc.Cat.3; R40 | Irrit. 1 (H319) (EFFA) Flam. Liq. 1 (H224) (EFFA) Flam. Liq. 1 (H224) STOT SE 3 (H335) Carc. 2 (H351) Eye Irrit. 2 (H319) | |
| BENZYL ALCOHOL | 202-859-9 | 100-51-6 | <1% | Xn; R20/22 | Acute Tox. 5 (H333) Acute Tox. 4 (H302) | No data available |
| BENZONITRILE | 202-855-7 | 100-47-0 | <1% | XN; R21/22; | Acute Tox. 4 (H302) Acute Tox. 4 (H312) | No data available |

For the full text of the R-phrases mentioned in this Section, see Section 16

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

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Move to fresh air. |
| Skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

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

Main Symptoms No information available.

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

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling****Advice on safe handling**

Ensure adequate ventilation.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place.

Incompatible products

None known based on information supplied.

7.3 Specific end use(s)**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

| Chemical Name | European Union | The United Kingdom | France | Spain | Germany |
|-----------------------------|---|--|--|--|---------|
| PROPYLENE GLYCOL 57-55-6 | - | STEL: 450 ppm STEL: 1422 mg/m ³ TWA: 150 ppm TWA: 474 mg/m ³ | - | - | - |
| ETHYL ALCOHOL 64-17-5 | - | STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³ | VME: 1000 ppm VME: 1900 mg/m ³ VLCT: 5000 ppm VLCT: 9500 mg/m ³ | VLA-ED: 1000 ppm VLA-ED: 1910 mg/m ³ | - |
| ETHYL ACETATE 141-78-6 | - | STEL: 400 ppm TWA: 200 ppm | TWA: 400 ppm TWA: 1400 mg/m ³ | TWA: 400 ppm TWA: 1460 mg/m ³ | - |
| ISOAMYL ACETATE 123-92-2 | TWA 50 ppm TWA 270 mg/m ³ | TWA: 50 ppm TWA: 270 mg/m ³ | TWA: 50 ppm TWA: 270 mg/m ³ | STEL: 100 ppm STEL: 540 mg/m ³ | - |

| | | | | | |
|-----------------------------|--|--|--|--|---|
| | STEL 100 ppm STEL 540 mg/m ³ | | STEL: 100 ppm STEL: 540 mg/m ³ | TWA: 50 ppm TWA: 270 mg/m ³ | |
| ACETALDEHYDE 75-07-0 | - | STEL: 50 ppm STEL: 92 mg/m ³ TWA: 20 ppm TWA: 37 mg/m ³ | TWA: 100 ppm TWA: 180 mg/m ³ | STEL: 25 ppm STEL: 46 mg/m ³ | - |
| BENZONITRILE 100-47-0 | - | TWA: 5 mg/m ³ Skin | VME: 5 mg/m ³ | - | - |
| Chemical Name | Italy | Portugal | The Netherlands | Finland | Denmark |
| ETHYL ALCOHOL 64-17-5 | - | TWA: 1000 ppm | Skin STEL: 1900 mg/m ³ TWA: 260 mg/m ³ | TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³ | TWA: 1000 ppm TWA: 1900 mg/m ³ |
| ETHYL ACETATE 141-78-6 | - | TWA: 400 ppm | - | TWA: 300 ppm TWA: 1100 mg/m ³ STEL: 500 ppm STEL: 1800 mg/m ³ | TWA: 150 ppm TWA: 540 mg/m ³ |
| ISOAMYL ACETATE 123-92-2 | TWA: 50 ppm TWA: 270 mg/m ³ STEL: 100 ppm STEL: 540 mg/m ³ | STEL: 100 ppm STEL: 540 mg/m ³ TWA: 50 ppm | STEL: 530 mg/m ³ | TWA: 50 ppm TWA: 270 mg/m ³ STEL: 100 ppm STEL: 540 mg/m ³ | TWA: 50 ppm TWA: 271 mg/m ³ |
| BENZALDEHYDE 100-52-7 | - | - | - | TWA: 1 ppm TWA: 4.4 mg/m ³ STEL: 4 ppm STEL: 17.4 mg/m ³ Ceiling: 4 ppm Ceiling: 17.4 mg/m ³ | - |
| ACETALDEHYDE 75-07-0 | - | Ceiling: 25 ppm | STEL: 92 mg/m ³ TWA: 37 mg/m ³ | STEL: 25 ppm STEL: 46 mg/m ³ | Ceiling: 25 ppm Ceiling: 45 mg/m ³ |
| BENZYL ALCOHOL 100-51-6 | - | - | - | TWA: 10 ppm TWA: 45 mg/m ³ | - |
| BENZONITRILE 100-47-0 | - | - | Skin STEL: 10 mg/m ³ TWA: 1 mg/m ³ | TWA: 5 mg/m ³ STEL: 10 mg/m ³ Skin | - |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| PROPYLENE GLYCOL 57-55-6 | - | - | - | TWA: 25 ppm TWA: 79 mg/m ³ STEL: 37.5 ppm STEL: 118.5 mg/m ³ | TWA: 150 ppm TWA: 470 mg/m ³ TWA: 10 mg/m ³ |
| ETHYL ALCOHOL 64-17-5 | STEL 2000 ppm STEL 3800 mg/m ³ MAK: 1000 ppm MAK: 1900 mg/m ³ | STEL: 1000 ppm STEL: 1920 mg/m ³ MAK: 500 ppm MAK: 960 mg/m ³ | NDS: 1900 mg/m ³ | TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³ | TWA: 1000 ppm TWA: 1900 mg/m ³ |
| ETHYL ACETATE 141-78-6 | STEL 600 ppm STEL 2100 mg/m ³ TWA: 300 ppm TWA: 1050 mg/m ³ | STEL: 800 ppm STEL: 2800 mg/m ³ TWA: 400 ppm TWA: 1400 mg/m ³ | STEL: 600 mg/m ³ TWA: 200 mg/m ³ | TWA: 150 ppm TWA: 550 mg/m ³ STEL: 187.5 ppm STEL: 687.5 mg/m ³ | TWA: 200 ppm STEL: 400 ppm |
| ISOAMYL ACETATE 123-92-2 | STEL 100 ppm STEL 540 mg/m ³ TWA: 50 ppm TWA: 270 mg/m ³ | TWA: 50 ppm TWA: 260 mg/m ³ | STEL: 500 mg/m ³ TWA: 250 mg/m ³ | TWA: 50 ppm TWA: 260 mg/m ³ STEL: 75 ppm STEL: 325 mg/m ³ | TWA: 50 ppm TWA: 260 mg/m ³ STEL: 100 ppm STEL: 520 mg/m ³ |
| BENZALDEHYDE 100-52-7 | - | - | STEL: 40 mg/m ³ TWA: 10 mg/m ³ | - | - |
| ACETALDEHYDE 75-07-0 | STEL 50 ppm STEL 90 mg/m ³ TWA: 50 ppm TWA: 90 mg/m ³ Ceiling 50 ppm Ceiling 90 mg/m ³ | STEL: 50 ppm STEL: 90 mg/m ³ TWA: 90 mg/m ³ TWA: 50 ppm | : 45 mg/m ³ TWA: 5 mg/m ³ | TWA: 25 ppm TWA: 45 mg/m ³ STEL: 37.5 ppm STEL: 67.5 mg/m ³ | TWA: 25 ppm TWA: 45 mg/m ³ STEL: 25 ppm STEL: 45 mg/m ³ |
| BENZYL ALCOHOL 100-51-6 | - | - | NDS: 240 mg/m ³ | - | - |
| BENZONITRILE 100-47-0 | - | - | - | TWA: 5 mg/m ³ Skin STEL: 10 mg/m ³ | TWA: 5 mg/m ³ Skin |

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tightly fitting safety goggles.
Skin and body protection Long sleeved clothing.

Environmental Exposure Controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state liquid
Appearance clear
Odor sweet melon; characteristic of cantaloupe
Color Colorless to light yellow.

| <u>Property</u> | <u>Values</u> | <u>• Method</u> |
|--|--------------------------|--------------------------|
| pH | | No information available |
| Melting/freezing point | | No information available |
| Boiling point/boiling range | | FCC Method |
| Flash Point | 36 °C / 97 °F | Closed cup |
| Evaporation rate | | FCC Method |
| Flammability (solid, gas) | | No information available |
| Flammability Limits in Air | | |
| Upper flammability limit | | No information available |
| lower flammability limit | | No information available |
| Vapor pressure mm Hg 20°C | | No information available |
| Vapor density | | No information available |
| Relative density | | No information available |
| Specific Gravity @ 25C | 0.9671 - 0.9971 | FCC Method |
| Specific Gravity @ 20C | 0.9701 - 1.0001 | FCC Method |
| Refractive Index | 1.4018 - 1.4318 | FCC Method |
| Water solubility | | No information available |
| Solubility in other solvents | | No information available |
| Partition coefficient: n-octanol/water | | No information available |
| Autoignition temperature | | No information available |
| Decomposition temperature | | No information available |
| Viscosity, kinematic | | No information available |
| Viscosity, dynamic | | No information available |
| Explosive properties | No information available | |
| Oxidizing Properties | No information available | |

9.2. Other information

Softening point No information available
Molecular Weight No information available
VOC Content(%) No information available
Density VALUE No information available
Bulk Density VALUE No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact none.
Sensitivity to Static Discharge Yes.

10.3. Possibility of hazardous reactions

Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation There is no data available for this product.
Eye contact There is no data available for this product.
Skin contact There is no data available for this product.
Ingestion There is no data available for this product.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 14,897.00 mg/kg
ATEmix (dermal) 21,212.00 mg/kg
ATEmix (inhalation-dust/mist) 71,215.14 mg/l

Unknown Acute Toxicity

98.47071313% of the mixture consists of ingredient(s) of unknown toxicity.
1.17139313 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
21.33388313 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
98.47071313 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
98.47071313 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
78.30822313 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

| Chemical Name | Oral LD50 | Dermal LD50 | LC50 Inhalation |
|------------------|---------------------|------------------------|------------------------|
| PROPYLENE GLYCOL | 20000 mg/kg (Rat) | 20800 mg/kg (Rabbit) | |
| ETHYL ALCOHOL | 7060 mg/kg (Rat) | | 124.7 mg/L (Rat) 4 h |

Skin corrosion/irritation No information available.

Eye damage/irritation No information available.

| | |
|--|--|
| Sensitization | No information available. |
| Germ Cell Mutagenicity | No information available. |
| Carcinogenicity | No information available. |
| Reproductive toxicity | No information available. |
| Specific target organ systemic toxicity (single exposure) | No information available. |
| Specific target organ systemic toxicity (repeated exposure) | No information available. |
| Target Organ Effects | Blood, Central nervous system, Eyes, Liver, Reproductive system, Respiratory system, Skin. |
| Aspiration hazard | No information available. |

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Toxic to aquatic life

0.86365% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|------------------|---|--|---|
| PROPYLENE GLYCOL | 19000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 | 10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static |
| ETHYL ALCOHOL | - | 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through | 9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static |
| ETHYL ACETATE | 3300: 48 h Desmodesmus subspicatus mg/L EC50 | 220 - 250: 96 h Pimephales promelas mg/L LC50 flow-through 484: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 352 - 500: 96 h Oncorhynchus mykiss mg/L LC50 semi-static | 560: 48 h Daphnia magna mg/L EC50 Static |
| BENZALDEHYDE | - | 10.6 - 11.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 12.69: 96 h Oncorhynchus mykiss mg/L LC50 static 0.8 - 1.44: 96 h Lepomis macrochirus mg/L LC50 flow-through 6.8 - 8.53: 96 h Pimephales promelas mg/L LC50 flow-through 7.5: 96 h Lepomis macrochirus mg/L LC50 static | 50: 24 h Daphnia magna mg/L EC50 |
| ACETALDEHYDE | 237 - 249: 120 h Nitzschia linearis mg/L EC50 | 28.0 - 34.0: 96 h Pimephales promelas mg/L LC50 flow-through 53: 96 h Lepomis macrochirus mg/L LC50 static 1.8 - 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 39.8 - 46.8: 96 h Pimephales promelas mg/L LC50 static | 3.64 - 6.15: 48 h Daphnia magna mg/L EC50 Static 48.3: 48 h Daphnia magna mg/L EC50 |

| | | | |
|----------------|---------------------------------------|---|-----------------------------------|
| BENZYL ALCOHOL | 35: 3 h Anabaena variabilis mg/L EC50 | 10: 96 h Lepomis macrochirus mg/L LC50 static 460: 96 h Pimephales promelas mg/L LC50 static | 23: 48 h water flea mg/L EC50 |
| BENZONITRILE | 231: 6 h Chlorella vulgaris mg/L EC50 | 130: 96 h Brachydanio rerio mg/L LC50 400: 96 h Poecilia reticulata mg/L LC50 static 64: 96 h Pimephales promelas mg/L LC50 78: 96 h Lepomis macrochirus mg/L LC50 static 78: 96 h Pimephales promelas mg/L LC50 static | 122: 24 h Daphnia magna mg/L EC50 |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

| Chemical Name | log Pow |
|----------------|---------|
| ETHYL ALCOHOL | -0.32 |
| ETHYL ACETATE | 0.6 |
| BENZALDEHYDE | 1.48 |
| ACETALDEHYDE | 0.5 |
| BENZYL ALCOHOL | 1.1 |
| BENZONITRILE | 1.5 |

12.4. Mobility in soil**Mobility in soil**

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Empty remaining contents.

Section 14: TRANSPORT INFORMATION

IMDG / IMO

14.1 UN/ID No 1197
 14.2 Proper shipping name EXTRACTS, FLAVOURING, LIQUID
 14.3 Hazard class 3
 14.4 Packing Group III

DOT/ADR/RID

| | |
|---------------------------|------------------------------|
| 14.1 UN/ID No | 1197 |
| 14.2 Proper shipping name | EXTRACTS, FLAVOURING, LIQUID |
| 14.3 Hazard class | 3 |
| 14.4 Packing Group | III |

ICAO/IATA

| | |
|---------------------------|------------------------------|
| 14.1 UN/ID No | 1197 |
| 14.2 Proper shipping name | EXTRACTS, FLAVOURING, LIQUID |
| 14.3 Hazard class | 3 |
| 14.4 Packing Group | III |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | None |

Section 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories

| | |
|---------------|---|
| TSCA | - |
| DSL/NDSL | - |
| EINECS/ELINCS | - |
| ENCS | - |
| IECSC | - |
| KECL | - |
| PICCS | - |
| AICS | - |

Legend:

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

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION
Key or legend to abbreviations and acronyms used in the safety data sheet**Full text of R-phrases referred to under sections 2 and 3**

No information available

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed
 H312 - Harmful in contact with skin
 H333 - May be harmful if inhaled
 H401 - Toxic to aquatic life
 H319 - Causes serious eye irritation
 H227 - Combustible liquid
 H332 - Harmful if inhaled
 H316 - Causes mild skin irritation
 H402 - Harmful to aquatic life
 H226 - Flammable liquid and vapor
 H225 - Highly flammable liquid and vapor
 H336 - May cause drowsiness or dizziness
 H351 - Suspected of causing cancer if inhaled
 H224 - Extremely flammable liquid and vapor
 H335 - May cause respiratory irritation
 EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|----------|-----------------------|-------|---------------------------|
| TWA: | Time weighted average | STEL: | Short term exposure limit |
| Ceiling: | Maximum limit value: | * | Skin designation |

Revision Date 15-Mar-2017

Reason for revision: Not applicable.

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