



SAFETY DATA SHEET

502856 MELON GIVCO 150/2

Revision Date: 02-22-2018

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1. IDENTIFICATION

Product Description: MELON GIVCO 150/2

CAS # MIXTURE

Other means of identification

Vigon Item # 502856

Recommended use Concentrated aromatic ingredient which may be used fragrance compounds according to legal and IFRA guidelines.

Recommended restrictions For Manufacturing Use Only

Company

Vigon International, Inc.
127 Airport Road
E. Stroudsburg, PA 18301
For information call: 570-476-6300
Web Site: www.vigon.com

24 Hour Emergency Response Information

INFOTRAC (ACCT# 78928);
1-800-535-5053 WITHIN THE U.S.A.
1-352-323-3500 OUTSIDE THE U.S.A.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Vigon International, Inc.
Address 127 Airport Road
E. Stroudsburg, PA 18301
United States

Telephone For information call: 570-476-6300

Website www.vigon.com

E-mail Not available.

Emergency phone number INFOTRAC (ACCT# 78928);
1-800-535-5053 WITHIN THE U.S.A.
1-352-323-3500 OUTSIDE THE U.S.A.

2. HAZARD(S) IDENTIFICATION

| | | |
|------------------------------|--|-------------|
| Physical hazards | Flammable liquids | Category 4 |
| Health hazards | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Sensitization, skin | Category 1 |
| | Reproductive toxicity | Category 2 |
| Environmental hazards | Hazardous to the aquatic environment, acute hazard | Category 3 |
| | Hazardous to the aquatic environment, long-term hazard | Category 3 |

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Label elements



Signal word

Warning

Hazard statement

Combustible liquid. Causes skin irritation. Causes skin and eye irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: 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. In case of fire: Use appropriate media to extinguish.

Storage

Store in a well-ventilated place. Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

67% of the mixture consists of component(s) of unknown acute inhalation toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|--------------------------------|---|------------|-----------|
| BUTYLPHENYL METHYLPROPIONAL | lysmeral 3-(4-tert- butylphenyl)butanal PROPIONALDEHYDE, 2-(4-TERT-BUTYLBENZYL)- BENZENEPROPANAL,4-(1,1-DIMETHYL ETHYL)-.A.-METHYL- BUTYLPHENYL METHYLPROPIONAL | 80-54-6 | 10 - < 20 |
| CITRONELLOL | 3,7-DIMETHYL-6-OCTEN-1-OL 6-Octen-1-ol, 3,7-dimethyl- 2,6- dimethyl-2-octen-8-ol | 106-22-9 | 10 - < 20 |
| LINALOOL | 2,6-DIMETHYL-2,7-OCTADIENE-6-OL 1,6-Octadien-3-ol, 3,7-dimethyl- 3,7-Dimethylocta-1,6-dien-3-ol LINALYL ALCOHOL | 78-70-6 | 10 - < 20 |

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| Chemical name | Common name and synonyms | CAS number | % |
|--|---|------------|-----------|
| BENZYL ACETATE | PHENYL METHYL ACETATE a-acetoxytoluene benzenemethanol acetate benzenemethanol ethanoate benzyl ethanoate | 140-11-4 | 1 - < 10 |
| CITRONELLYL ACETATE | 3,7-dimethyl-6-octen-1-yl ethanoate citronellyl ethanoate 3,7- dimethyloct-6-enyl acetate 1-acetoxy-3,7-dimethyl oct-6-ene | 150-84-5 | 1 - < 10 |
| ETHYL METHYL PHENYL GLYCIDATE | ethyl2,3-epoxy-2-methyl-3-phenyl propionate ethyl 2,3-epoxy-3-phenylbutyrate ethyl 3-methyl-3-phenyl oxirane carboxylate aldehyde C 16 | 77-83-8 | 1 - < 10 |
| HEXYL ACETATE | 1-HEXYL ACETATE N- hexyl ethanoate HEXYL ETHANOATE | 142-92-7 | 1 - < 10 |
| CARVENE | DIPENTENE (+)-P-MENTHA-1,8-DIENE (R)-(+)-Limonene (R)-4-Isopropenyl-1-methyl-1-cyclohexene e 1- methyl-4-prop-1-en-2-ylcyclohexene | 5989-27-5 | 0.1 < 1 |
| GERANIOL | 3,7-DIMETHYL-2,6-OCTADIEN-1-OL (2E)-3,7- dimethylocta-2,6-dien-1-ol LEMONOL GERANYL ALCOHOL | 106-24-1 | 0.1 < 1 |
| Other components below reportable levels | | | 30 - < 40 |

4. FIRST-AID MEASURES

| | |
|---|---|
| Inhalation | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist. |
| Skin contact | Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes. |
| Eye contact | Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids. |
| Ingestion | Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. |
| Most important symptoms/effects, acute and delayed | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. |



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Indication of immediate medical attention and special treatment needed

Not available.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, fog, CO₂, dry chemical, or alcohol resistant foam.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.

Specific methods

Use water spray to cool unopened containers.

General fire hazards

Static charges generated by emptying package in or near flammable vapor may cause flash fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

The product is immiscible with water and will spread on the water surface.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS.

Environmental precautions

Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.



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7. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. |
| Conditions for safe storage, including any incompatibilities | Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|-------------------------------|------|--------|
| BENZYL ACETATE (CAS 140-11-4) | TWA | 10 ppm |

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value |
|-------------------------|------|-------------|
| CARVENE (CAS 5989-27-5) | TWA | 165.5 mg/m3 |
| | | 30 ppm |

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes.

Skin protection

Hand protection Chemical resistant gloves.

Other Use of an impervious apron is recommended.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Refer to Spec Sheet

Physical state Liquid.

Form Liquid.

Color Refer to Spec Sheet

Odor Characteristic.

Odor threshold Not available.

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| | |
|---|---------------------------------------|
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | 192.0 °F (88.9 °C) Closed Cup |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 0.15 hPa at 20 °C Calculated (97.9 %) |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Insoluble |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Density | 955.97 kg/m ³ at 20 °C |
| Explosive properties | Not explosive. |
| Molecular formula | Not applicable |
| Oxidizing properties | Not oxidizing. |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | No hazardous decomposition products if stored and handled as indicated. |

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11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | Prolonged inhalation may be harmful. |
| Skin contact | Causes skin irritation. May cause an allergic skin reaction. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | Expected to be a low ingestion hazard. |

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Not known.

| Product | Species | Test Results |
|---------|---------|--------------|
|---------|---------|--------------|

MELON GIVCO 150/2

Acute

Oral

| | | |
|------|-----|----------------|
| LD50 | Rat | 3053 mg/kg ATE |
|------|-----|----------------|

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

BENZYL ACETATE (CAS 140-11-4)

Acute

Dermal

| | | |
|------|--------|--------------|
| LD50 | Rabbit | > 5000 mg/kg |
|------|--------|--------------|

BUTYLPHENYL METHYLPROPIONAL (CAS 80-54-6)

Acute

Dermal

| | | |
|------|--------|--------------|
| LD50 | Rabbit | > 5000 mg/kg |
|------|--------|--------------|

Oral

| | | |
|------|-----|--|
| LD50 | Rat | 1390 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Dyspnea. |
|------|-----|--|

CARVENE (CAS 5989-27-5)

Acute

Dermal

| | | |
|------|--------|--------|
| LD50 | Rabbit | 5 g/kg |
|------|--------|--------|

Oral

| | | |
|------|-----|------------|
| LD50 | Rat | 4400 mg/kg |
|------|-----|------------|

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| Components | Species | Test Results |
|---|--|--------------|
| CITRONELLOL (CAS 106-22-9) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | 2650 mg/kg |
| <i>Oral</i> | | |
| LD50 | Rat | 3450 mg/kg |
| CITRONELLYL ACETATE (CAS 150-84-5) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | > 2000 mg/kg |
| <i>Oral</i> | | |
| LD50 | Rat | 6800 mg/kg |
| ETHYL METHYL PHENYL GLYCIDATE (CAS 77-83-8) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | > 5000 mg/kg |
| <i>Oral</i> | | |
| LD50 | Rat | > 5000 mg/kg |
| GERANIOL (CAS 106-24-1) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | > 5000 mg/kg |
| <i>Oral</i> | | |
| LD50 | Rat | 3600 mg/kg |
| HEXYL ACETATE (CAS 142-92-7) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | > 5000 mg/kg |
| <i>Oral</i> | | |
| LD50 | Rat | > 5000 mg/kg |
| LINALOOL (CAS 78-70-6) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Rat | 2790 mg/kg |
| Skin corrosion/irritation | Causes skin irritation. May cause skin irritation and/or dermatitis. May cause skin irritation in susceptible persons. | |

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| | |
|--|--|
| Serious eye damage/eye irritation | Causes serious eye irritation. Vapours may cause irritation to the eyes, respiratory system and the skin. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | May cause an allergic skin reaction. Causes sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

| | |
|---|--|
| Reproductive toxicity | Suspected of damaging fertility or the unborn child. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not an aspiration hazard. |
| Chronic effects | Prolonged inhalation may be harmful. |

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|---|------|---|---|
| BENZYL ACETATE (CAS 140-11-4) | | | |
| Aquatic | | | |
| Fish | LC50 | Medaka, high-eyes (<i>Oryzias latipes</i>) | > 3.48 - < 4.6 mg/l, 96 hours |
| BUTYLPHENYL METHYLPROPIONAL (CAS 80-54-6) | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| Algae | EC50 | Green algae (<i>Chlamydomonas variabilis</i>) | 29.16 mg/l, 72 hours The details of the toxic effect related to the nominal concentration. The product has a low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. |
| Crustacea | EC50 | Daphnia | 10.7 g/ml, 72 hours slightly toxic |

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| Components | Species | Test Results |
|---|---------|---|
| Fish | LC50 | Zebra danio (Danio rerio) |
| | | 2.04 mg/l, 96 hours The statement of the toxic effect relates to the analytically determined concentration. |
| CARVENE (CAS 5989-27-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia pulex) |
| | | 69.6 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) |
| | | > 0.619 - < 0.796 mg/l, 96 hours |
| | | Rainbow trout, donaldson trout (Oncorhynchus mykiss) |
| | | 35 mg/l, 4 days |
| Other | EC50 | Activated Sludge |
| | | 3.94 mg/l |
| CITRONELLOL (CAS 106-22-9) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Algae | EC50 | Algae |
| | | 2.4 mg/l, 72 hours |
| Crustacea | EC50 | Daphnia |
| | | 17 mg/l, 48 hours |
| Fish | LC50 | Leuciscus idus (Golden orfe) |
| | | > 10 - < 22 mg/l, 96 hours |
| CITRONELLYL ACETATE (CAS 150-84-5) | | |
| Other | EC20 | Micro-organisms |
| | | > 1000 mg/l, 30 min |
| Aquatic | | |
| Fish | LC50 | Zebra danio (Danio rerio) |
| | | 6.1 mg/l, 96 hours |
| GERANIOL (CAS 106-24-1) | | |
| Other | EC50 | Activated sludge of a predominantly domestic sewage |
| | | 70 mg/l, 0.5 hours |
| Aquatic | | |
| Algae | EC50 | Green algae (Desmodesmus subspicatus) |
| | | 13.1 mg/l, 72 hours |
| Crustacea | EC50 | Daphnia magna |
| | | 10.8 mg/l, 48 hours |
| Fish | LC50 | Danio rerio |
| | | 22 mg/l, 96 hours |
| | | Fathead minnow (Pimephales promelas) |
| | | > 2.7 - < 3.8 mg/l, 96 hours |
| HEXYL ACETATE (CAS 142-92-7) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) |
| | | > 3.7 - < 4.4 mg/l, 96 hours |
| LINALOOL (CAS 78-70-6) | | |
| Other | EC10 | Activated sludge of a predominantly domestic sewage |
| | | > 100 mg/l, 3 hours |

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| Components | | Species | Test Results |
|----------------|--------|--|--|
| Aquatic | | | |
| Algae | EC50 | Green algae (<i>Chlamydomonas variabilis</i>) | 88.3 mg/l, 96 hours DIN 38412 Part 9 static. The details of the toxic effect related to the nominal concentration. |
| Crustacea | EC50 | Daphnia magna | 20 mg/l, 48 hours DIN 38412 Part 11 static. The details of the toxic effect related to the nominal concentration. |
| Fish | LC50 | Ide, silver or golden orfe (<i>Leuciscus idus</i>) | > 22 - < 46 mg/l, 96 hours DIN 38412 Part 15 static. The details of the toxic effect related to the nominal concentration. |
| | LC50-R | Fish | 27.8 mg/l, 96 hours |

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

GERANIOL

> 90 % OECD 301A (new version)(aerobic), activated sludge, domestic DOC reduction, Readily biodegradable (according to OECD criteria)

Percent degradation (Aerobic biodegradation-ready)

LINALOOL

> 60 - < 70 %, Readily biodegradable (according to OECD criteria).
Result: OECD 301D; EEC 92/69, C4-E (aerobic)
Test Duration: 28 days

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

BENZYL ACETATE

1.96

CARVENE

4.232

LINALOOL

2.97, (OECD Guideline 107)

Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal instructions

Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

Not established.

Waste from residues / unused products

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).



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Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADN

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

DOT

BULK

| | |
|------------------------------|---|
| UN number | 1993 |
| Proper shipping name | COMBUSTIBLE LIQUID, N.O.S. (LILIAL, LINALOOL) |
| Hazard class | Combustible Liquid |
| Packing group | III |
| Environmental hazards | |
| Marine pollutant | No |

DOT

NON-BULK

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.



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SARA 311/312 Hazardous chemical

Yes

Classified hazard categories

Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Reproductive toxicity

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

California Proposition 65

California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

International Inventories

Country(s) or region

Inventory name

On inventory (yes/no)*

| | | |
|-----------------------------|--|-----|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan | Taiwan Toxic Chemical Substances (TCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date

01-26-2016



SAFETY DATA SHEET

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Revision date 02-22-2018
Version # 03
HMIS® ratings Health: 2*
Flammability: 2
Physical hazard: 0

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Revision information This document has undergone significant changes and should be reviewed in its entirety.