



SECTION 1: PRODUCT IDENTIFICATION

| | |
|----------------------------|--|
| PRODUCT NAME | APPLE (Flavor) |
| PRODUCT CODE | 1999 |
| SUPPLIER | MEDISCA Inc. Tel.: 1.800.932.1039 Fax.: 1.855.850.5855 661 Route 3, Unit C, Plattsburgh, NY, 12901 6641 N. Belt Line Road, Suite 130, Irving, TX, 75063 MEDISCA Pharmaceutique Inc. Tel.: 1.800.665.6334 Fax.: 514.338.1693 4509 Rue Dobrin, St. Laurent, QC, H4R 2L8 21300 Gordon Way, Unit 153/158, Richmond, BC V6W 1M2 MEDISCA Australia PTY LTD Tel.: 1.300.786.392 Fax.: 61.2.9700.9047 Unit 7, Heritage Business Park 5-9 Ricketty Street, Mascot, NSW 2020 |
| EMERGENCY PHONE | CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 NSW Poisons Information Centre: 131 126 National Chemical Emergency Centre 44(0)1235239670 |
| RECOMMENDED USES | Manufacturing and Compounding |
| RESTRICTIONS ON USE | Not applicable |

SECTION 2: HAZARDS IDENTIFICATION

| | |
|---|--|
| GHS CLASSIFICATION | Flammable Liquid (Category 4) Sensitization - Skin (Category 1) Carcinogenicity (Category 2) |
| PICTOGRAM |   |
| SIGNAL WORD | Warning |
| HAZARD STATEMENT(S) | Combustible liquid. May cause an allergic skin reaction. Suspected of causing cancer . Repeated exposure may cause skin dryness or cracking. |
| ADVERSE PHYSIOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS | |
| PRECAUTIONARY STATEMENT(S) | Prevention Keep away from heat, sparks, open flames and other ignition sources. - No smoking. Avoid breathing dust, fume, gas, mist, vapors, and spray. Contaminated work clothing should not be allowed out of the workplace. Obtain, read and follow all special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye and face protection and hearing protection. Response IN CASE OF FIRE: Use dry chemical, CO2, alcohol resistant foam or water to extinguish. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical help advice/attention. Take off contaminated clothing and wash it before reuse. IF EXPOSED OR CONCERNED: Get medical advice. |

| | | | |
|---------------------|----------------------|---|------------------------------|
| HMIS CLASSIFICATION | Storage | Store in a well-ventilated place. Store locked up. | |
| | Disposal | Dispose of contents and container in accordance with local regulations. | |
| | Health Hazard | 1 | Flammability 2 |
| | Reactivity | 0 | Personal Protection F |

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|-----------------------------|----------------|
| CHEMICAL NAME | Not applicable |
| BOTANICAL NAME | Not applicable |
| SYNONYM | Not applicable |
| CHEMICAL FORMULA | Not applicable |
| CHEMICAL FAMILY | Not applicable |
| CAS NUMBER | Not applicable |
| ALTERNATE CAS NUMBER | Not applicable |
| MOLECULAR WEIGHT | Not applicable |

| COMPOSITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|--|---------------|-------------|-----------|-------------|--------------------|----------|-----------|---------|--------------|---------|-----------|---------|--------------|----------|-----------|---------|---------------------------------------|----------|-----------|---------|---------------|---------|-----------|---------|-----------------|----------|-----------|---------|
| | <table border="1"> <thead> <tr> <th>CHEMICAL NAME</th> <th>CAS NUMBER</th> <th>EC NUMBER</th> <th>% BY WEIGHT</th> </tr> </thead> <tbody> <tr> <td>3-HEXEN-1-OL, (Z)-</td> <td>928-96-1</td> <td>213-192-8</td> <td>1.0-2.5</td> </tr> <tr> <td>ACETALDEHYDE</td> <td>75-07-0</td> <td>200-836-8</td> <td>0.1-1.0</td> </tr> <tr> <td>BENZALDEHYDE</td> <td>100-52-7</td> <td>202-860-4</td> <td>0.1-1.0</td> </tr> <tr> <td>BUTANOIC ACID, 3-METHYL-, ETHYL ESTER</td> <td>108-64-5</td> <td>203-602-3</td> <td>0.1-1.0</td> </tr> <tr> <td>ETHYL ALCOHOL</td> <td>64-17-5</td> <td>200-578-6</td> <td>0.1-1.0</td> </tr> <tr> <td>N-BUTYL ACETATE</td> <td>123-86-4</td> <td>204-658-1</td> <td>0.1-1.0</td> </tr> </tbody> </table> | CHEMICAL NAME | CAS NUMBER | EC NUMBER | % BY WEIGHT | 3-HEXEN-1-OL, (Z)- | 928-96-1 | 213-192-8 | 1.0-2.5 | ACETALDEHYDE | 75-07-0 | 200-836-8 | 0.1-1.0 | BENZALDEHYDE | 100-52-7 | 202-860-4 | 0.1-1.0 | BUTANOIC ACID, 3-METHYL-, ETHYL ESTER | 108-64-5 | 203-602-3 | 0.1-1.0 | ETHYL ALCOHOL | 64-17-5 | 200-578-6 | 0.1-1.0 | N-BUTYL ACETATE | 123-86-4 | 204-658-1 | 0.1-1.0 |
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| BENZALDEHYDE | 100-52-7 | 202-860-4 | 0.1-1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| N-BUTYL ACETATE | 123-86-4 | 204-658-1 | 0.1-1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

NOTES INGREDIENT LISTING: PROPYLENE GLYCOL, ARTIFICIAL FLAVOR.

SECTION 4: FIRST-AID MEASURES

| | |
|--|---|
| IN CASE OF EYE CONTACT | Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid. |
| IN CASE OF SKIN CONTACT | Wash with soap & water for 15 minutes. If irritation persists seek medical aid. |
| IF SWALLOWED | Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice. |
| IF INHALED | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician |
| MEDICAL ATTENTION AND SPECIAL TREATMENT | Get emergency medical help. |
| SYMPTOMS CAUSED BY EXPOSURE | Not expected to present a significant hazard under anticipated conditions of normal use. |

SECTION 5: FIREFIGHTING MEASURES

| | |
|---|-----------------|
| SPECIFIC HAZARDS ARISING FROM THE CHEMICAL | Not applicable. |
|---|-----------------|

FLAMMABLE PROPERTIES

Combustible.

HAZARDOUS COMBUSTION PRODUCTS

Under fire conditions, hazardous fumes will be present.

**SUITABLE & UNSUITABLE
EXTINGUISHING MEDIA**
Small fire: dry chemical, CO₂ or water spray. **Large fire:** dry chemical, CO₂, alcohol resistant foam or water spray. Do not get water inside containers.

**PROTECTIVE EQUIPMENT AND
PRECAUTIONS FOR FIREFIGHTERS**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES
PERSONAL PRECAUTIONS

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

**METHODS & MATERIAL FOR
CONTAINMENT**

On land, sweep or shovel into suitable containers.

CLEANUP PROCEDURE

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains.

REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE
PRECAUTIONS FOR SAFE HANDLING

Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in accordance with local regulations. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.

CONDITIONS FOR SAFE STORAGE

Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in accordance with local regulations. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.

STORAGE CONDITIONS

Store in original container, tightly sealed, protected from direct sunlight and moisture.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION
Chemical Name: COMPONENT 1 CAS #: Not applicable

| | Country | Limit value-8 hours | | Limit value-Short Term | | IDLH | REL | Advisory | Notes |
|--------|-------------|---------------------|-------------------|------------------------|-------------------|------|-----|----------|-------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | | | | |
| OSHA | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| ACGIH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| NIOSH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| WEEL | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSIS | Australia | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSE | UK | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| GESTIS | Add Country | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |

Chemical Name: COMPONENT 2 CAS #: Not applicable

| | Country | Limit value-8 hours | | Limit value-Short Term | | IDLH | REL | Advisory | Notes |
|--------|-------------|---------------------|-------------------|------------------------|-------------------|------|-----|----------|-------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | | | | |
| OSHA | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| ACGIH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| NIOSH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| WEEL | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSIS | Australia | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSE | UK | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| GESTIS | Add Country | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |

Chemical Name: COMPONENT 3 CAS #: Not applicable

| | Country | Limit value-8 hours | | Limit value-Short Term | | IDLH | REL | Advisory | Notes |
|--------|-------------|---------------------|-------------------|------------------------|-------------------|------|-----|----------|-------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | | | | |
| OSHA | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| ACGIH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| NIOSH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| WEEL | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSIS | Australia | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSE | UK | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| GESTIS | Add Country | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |

Chemical Name: COMPONENT 4 CAS #: Not applicable

| | Country | Limit value-8 hours | | Limit value-Short Term | | IDLH | REL | Advisory | Notes |
|--------|-------------|---------------------|-------------------|------------------------|-------------------|------|-----|----------|-------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | | | | |
| OSHA | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| ACGIH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| NIOSH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| WEEL | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSIS | Australia | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSE | UK | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| GESTIS | Add Country | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |

Chemical Name: COMPONENT 5 CAS #: Not applicable

| | Country | Limit value-8 hours | | Limit value-Short Term | | IDLH | REL | Advisory | Notes |
|--------|-------------|---------------------|-------------------|------------------------|-------------------|------|-----|----------|-------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | | | | |
| OSHA | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| ACGIH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| NIOSH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| WEEL | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSIS | Australia | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSE | UK | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| GESTIS | Add Country | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |

Chemical Name: COMPONENT 6 CAS #: Not applicable

| | Country | Limit value-8 hours | | Limit value-Short Term | | IDLH | REL | Advisory | Notes |
|---------------|-------------|---------------------|-------------------|------------------------|-------------------|------|-----|----------|-------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | | | | |
| OSHA | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| ACGIH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| NIOSH | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| WEEL | USA | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSIS | Australia | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| HSE | UK | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |
| GESTIS | Add Country | N/L | N/L | N/L | N/L | N/L | N/L | N/A | N/A |

N/L = Not listed ; N/A = Not Available

PELs are 8-hour TWAs = Limit value - Eight hours

Ceiling or Short-Term TWA = STEL = Limit value - Short term

EXPOSURE GUIDELINES

 Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable fraction: 5 mg/m³
PERSONAL PROTECTIVE EQUIPMENT

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin:** Wear appropriate gloves to prevent skin exposure. **Clothing:** Wear appropriate protective clothing to minimize contact with skin. **Respirators:** Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. **Thermal Hazards:** For products representing a thermal hazard, appropriate Personal Protective Equipment should be used.

SPECIFIC ENGINEERING CONTROLS

Adequate mechanical ventilation. Fumehood, eye wash station, and safety shower.

BIOLOGICAL MONITORING

Not available

CONTROL BANDING

Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
PHYSICAL STATE

Liquid

DESCRIPTION

Clear, colourless to pale yellow liquid, with a characteristic odor.

SOLUBILITY

Soluble in water.

ODOR

Characteristic odor

FLAMMABILITY

Combustible

AUTO-IGNITION TEMPERATURE

Not available

BOILING POINT

36°C, 96.8°F

DECOMPOSITION TEMPERATURE

Not available

EVAPORATION RATE

Not available

EXPLOSIVE LIMIT

Not available

FLASH POINT

77 °C, 170.6°F

log P (OCTANOL-WATER)

Not available

LOWER FLAMMABLE/EXPLOSIVE LIMIT(S)

Not available

MELTING/FREEZING POINT

Not available

PARTICLE CHARACTERISTICS

Not available

OXIDIZING PROPERTY

Not available

pH

Not available

| | | | | | |
|---|---------------|-------------------------|---------------------------|--|---------------|
| RELATIVE DENSITY (WATER = 1) | Not available | SPECIFIC GRAVITY | 0.9794 - 1.0794 (25°C) | UPPER FLAMMABLE/ EXPLOSIVE LIMIT(S) | Not available |
| VAPOR DENSITY (AIR = 1) | Not available | VAPOR PRESSURE | Not available | VISCOSITY | Not available |

The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|--|
| REACTIVITY | Not established. |
| CHEMICAL STABILITY | Stable under recommended storage conditions. |
| INCOMPATIBLE MATERIALS | Strong oxidants. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and other gases may occur. |
| HAZARDOUS POLYMERIZATION | Will not occur. |
| POSSIBILITY OF HAZARDOUS REACTION | Not established. |
| CONDITIONS TO AVOID | Moisture, sunlight and extreme temperatures. |

SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|--|---|
| ACUTE TOXICITY | Oral: Rat: LD50: (mg/kg): Not available Dermal: Rabbit: LD50: (mg/kg): Not available Inhalation: Rat: LC50: (mg/L/4hr): Not available |
| SKIN CORROSION/IRRITATION | Based on available data, the classification criteria are not met. Contains BUTANOIC ACID, 3-METHYL-, ETHYL ESTER, ETHYL ALCOHOL and 2-HEXENAL, (E): Irritant. |
| SERIOUS EYE DAMAGE/EYE IRRITATION | Based on available data, the classification criteria are not met. Contains 2-HEXENAL, (E), ACETALDEHYDE and ETHYL ALCOHOL: Irritant. |
| RESPIRATORY SENSITIZATION | Due to lack of data the classification is not possible. May cause respiratory tract irritation. |
| SKIN SENSITIZATION | May cause an allergic skin reaction. |
| GERM CELL MUTAGENICITY | Due to lack of data the classification is not possible. Contains ACETALDEHYDE: Suspected of causing genetic defects. |
| CARCINOGENICITY | <p>OSHA ACETALDEHYDE is listed. ETHANOL is listed. Based on the compositional information available from the supplier, no other component of this product is listed.</p> <p>NTP ACETALDEHYDE is reasonably anticipated to be a human carcinogen. ETHANOL is listed. Based on the compositional information available from the supplier, no other component of this product is listed.</p> <p>IARC ACETALDEHYDE is listed in group 2b (possibly carcinogenic to humans). ETHANOL is listed in group 1 (carcinogenic to humans). Based on the compositional information available from the supplier, no other component of this product is listed.</p> |

California Proposition 65 This product contains the following chemical known to the State of California to cause cancer: ACETALDEHYDE.
This product contains the following chemical known to the State of California to cause cancer and birth defects or other reproductive harm: ETHYL ALCOHOL.
Based on the compositional information available from the supplier, no other component of this product is listed.

ADDITIONAL CARCINOGENICITY INFORMATION

Suspected of causing cancer.
This product contains carcinogenic substances.

REPRODUCTIVE TOXICITY

Based on available data, the classification criteria are not met.
Contains ETHYL ALCOHOL: Reproductive hazard.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

Due to lack of data the classification is not possible.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE

Due to lack of data the classification is not possible.

ASPIRATION HAZARDS

Due to lack of data the classification is not possible.

SIGNS AND SYMPTOMS OF EXPOSURE

ROUTES OF EXPOSURE:
Oral, Dermal, Inhalation, Eye contact
EARLY ONSET SYMPTOMS RELATED TO EXPOSURE:
Not available
DELAYED HEALTH EFFECT FROM EXPOSURE:
Not available

Not expected to present a significant hazard under anticipated conditions of normal use.

POTENTIAL HEALTH EFFECTS

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion May be harmful if swallowed in large quantities.
Skin May be harmful if absorbed through skin. May cause skin irritation. May cause an allergic skin reaction.
Eyes May cause eye irritation.

SECTION 12: ECOLOGICAL INFORMATION
ECOTOXICITY

EC50: 48 Hr: Crustacea: (mg/L): Not available
LC50: 96 Hr: Fish: (mg/L): Not available
EC50: 72 or 96Hr: Algae (or other aqua plants): (mg/L): Not available

PERSISTENCE AND DEGRADABILITY

Not available

BIOACCUMULATIVE POTENTIAL

Not available

MOBILITY IN SOIL

Soluble in water.

OTHER ADVERSE EFFECTS

Not available

This product is not intended to be released into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS
DISPOSAL METHODS

Dispose of in accordance with federal / local laws and regulations. Avoid release into the environment.

SECTION 14: TRANSPORT INFORMATION
UN PROPER SHIPPING NAME

Not dangerous good

UN NUMBER Not applicable
 CLASS Not applicable
 PACKING GROUP Not applicable

AUSTRALIA

HAZCHEM Not applicable

EU

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE Not Listed

ENVIRONMENTAL HAZARDS Not available

SPECIAL SHIPPING INFORMATION Not applicable

SECTION 15: REGULATORY INFORMATION
UNITED STATES REGULATIONS

| Chemical Name & CAS | CERCLA 40 CFR Part 302.4 | SARA (Title III) 40 CFR Part 372.65 | EPA 40 CFR Part 355 | | Right-to-know | | | California Prop 65 |
|--|--------------------------|-------------------------------------|---------------------|------------|---------------|------------|---------------|--------------------|
| | | | Appendix A | Appendix B | Pennsylvania | New Jersey | Massachusetts | |
| ACETALDEHYDE 75-07-0 | Listed | Listed | N/L | N/L | X | X | X | X |
| ETHYL ALCOHOL 64-17-5 | N/L | N/L | N/L | N/L | X | X | X | N/L |
| N-BUTYL ACETATE 123-86-4 | Listed | N/L | N/L | N/L | X | X | X | N/L |
| BUTANOIC ACID, 3-METHYL-, ETHYL ESTER 108-64-5 | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 3-HEXEN-1-OL, (Z)- 928-96-1 | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| BENZALDEHYDE 100-52-7 | N/L | N/L | N/L | N/L | X | X | X | N/L |

N/L = Not Listed; X = Listed

AUSTRALIAN REGULATIONS

| Chemical Name & CAS | Poisons and Therapeutic Goods | Therapeutic Goods Act | Code of Practices - Illicit Drug Precursors | Poisons Standard | Work Health and Safety Regulations | Inventory of Industrial Chemicals |
|--|-------------------------------|-----------------------|---|------------------|------------------------------------|-----------------------------------|
| ACETALDEHYDE 75-07-0 | N/L | N/L | Listed as Category II | N/L | N/L | Listed |
| ETHYL ALCOHOL 64-17-5 | N/L | N/L | N/L | N/L | N/L | N/L |
| N-BUTYL ACETATE 123-86-4 | N/L | N/L | N/L | N/L | N/L | N/L |
| BUTANOIC ACID, 3-METHYL-, ETHYL ESTER 108-64-5 | N/L | Listed as Schedule 6 | N/L | Listed | N/L | N/L |
| 3-HEXEN-1-OL, (Z)- 928-96-1 | N/L | N/L | N/L | N/L | N/L | N/L |
| BENZALDEHYDE 100-52-7 | N/L | N/L | N/L | N/L | N/L | N/L |

N/L = Not Listed

EU REGULATIONS

| Chemical Name & CAS | REACH ANNEX XVII | REACH ANNEX XIV | EC 1005/2009 | EC 850/2004 | EC 1107/2009 | PIC - Prior Informed Consent Regulation | EC 2012/18 |
|--|------------------|-----------------|--------------|-------------|--------------|---|------------|
| ACETALDEHYDE 75-07-0 | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| ETHYL ALCOHOL 64-17-5 | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| N-BUTYL ACETATE 123-86-4 | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| BUTANOIC ACID, 3-METHYL-, ETHYL ESTER 108-64-5 | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 3-HEXEN-1-OL, (Z)- 928-96-1 | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| BENZALDEHYDE 100-52-7 | N/L | N/L | N/L | N/L | N/L | N/L | N/L |

N/L = Not Listed; X = Listed

Any EU regulation not listed above is not applicable to this product.

SUBJECT TO INTERNATIONAL AGREEMENT

Not applicable

SECTION 16: OTHER INFORMATION

REFERENCES

Available upon request

ABBREVIATIONS AND ACRONYMS

ACGIH - American Conference of Governmental Industrial Hygienists; **AIHA WEEL** – American Industrial Hygiene Association Workplace Environment Exposure Levels; **CAESAR** – Computer Assisted Evaluation of industrial chemical Substances According to Regulations; **CAS** – Chemical Abstract Service; **CERCLA** – Comprehensive Environmental Response, Compensation, and Liability Act; **EC50** – Effective Concentration, 50%; **EPA** – Environmental Protection Agency; **GHS** – Global Harmonized System; **HMIS** – Hazardous Materials Information System; **HSE** – Health and Safety Executive; **HSIS** – Hazardous Substances Information System; **IARC** – International Agency for Research on Cancer; **IDLH** - Immediately Dangerous to Life or Health; **IRFMN** – Ready Biodegradability Model; **ISS** – Istituto Superiore Sanità; **LC50** – Lethal Concentration, 50%; **LD50** – Lethal Dose, 50%; **MSHA** - Mine Safety and Health Administration; **NIOSH** – National Institute for Occupational Safety and Health; **NTP** – National Toxicology Program; **OSHA PEL** – Occupational Safety & Health Administration Permissible Exposure Limits; **QSAR** – Quantitative Structure-activity relationship; **REL** - Recommended Exposure Limit; **SARA** – Superfund Amendments and Reauthorization Act; **STEL** – Short Term Exposure Limit; **TLV** – Threshold Limit Value; **TWA** – Time Weighted Average; **WHMIS** – Workplace Hazardous Materials Information System

LAST REVISION

04/2024

SUPERSEDES

04/2024

For a list of changes to the SDS since the last version, please communicate with MEDISCA at www.medisca.com

DISCLAIMER

This document was created in accordance with OSHA, Safe Work Australia and WHMIS regulations. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MEDISCA® shall not be held liable for any damage resulting from handling or from contact with the above product. Recipients of the product must take responsibility for observing existing laws and regulations.

SUPPLEMENTARY INFORMATION

For all country specific requirements not outlined on this Safety Data Sheet, please request Supplementary Page to this Safety Data Sheet.