SAFETY DATA SHEET: AMYL ACETATE

1. IDENTIFICATION

Product Name: AMYL ACETATE
Synonyms: Pentyl acetate; Banana oil; Pear oil
Formula and Formula Weight: CH₃CO₂(CH₂)₄CH₃ 130.19
Integra numbers beginning with: A708.50
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

INTEGRA Chemical Company
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000

2. HAZARDS IDENTIFICATION

OSHAs Classification: Hazard Category: Hazard Statement:
Skin Corrosion/Irritation 2 Causes skin irritation.
Eye Damage/Irritation 2A Causes serious eye irritation.
Specific Target Organ Toxicity (single exposure) 3 May cause respiratory irritation.
Flammable Liquids 3 Flammable liquid and vapor.

Signal Word: WARNING

Precautionary Statements
Prevention:
Keep away from heat, sparks, open flames, hot surfaces. – No smoking.
Keep container tightly closed.
Keep container out of the sight of children.
Ground, bond container and receiving equipment.
Use explosion-proof electrical, ventilating, lighting, equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapors, spray.
Wash thoroughly after handling.
Wear protective gloves, eye protection, face protection.

Response
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water, shower. If skin irritation occurs: Get medical advice, attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a poison center, doctor if you feel unwell.
Specific treatment (see first aid section on this label)
Take off contaminated clothing and wash it before reuse.
In case of fire: Use dry sand, dry chemical or alcohol resistant foam to extinguish.

Storage
Store locked up in a well ventilated place. Keep cool. Keep container tightly closed.

Disposal
Dispose of contents, container in accordance with all governmental regulations.

Hazard Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Synonyms CAS # %
n-Amyl acetate Pentyl acetate; Banana oil; Pear oil 00628-63-7 >60
2-Methyl butyl acetate 00624-41-9 >35
Isomyl acetate Isopentyl acetate; Banana oil 00123-92-2 >05

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing.
Eye Contact: Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention.
5. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: 5 mm Hg @25°C
Odor: Banana odor
Odor Threshold: Not available
pH: Not available
Melting/Freezing Point: -71 °C
Initial Boiling Point and Boiling Range: 149 °C
Flash Point: 38 °C
Evaporation Rate: 0.42 Butyl Acetate=1
Flammability: Not available
Flammable or Explosive Limits (% by volume in air) Upper: 7.5 Lower: 1.1
Vapor Pressure: 5 mm Hg @25°C
Vapor Density: 4.5
Relative Density: 0.88 Water=1
Solubility: Poor solubility in water
Partition Coefficient: n-octanol/water Not available
Auto-Ignition Temperature: 379 °C
Decomposition Temperature: Not available

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, dry chemical or alcohol foam. Water may be ineffective.
Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.
Specific Hazards: Vapors may flow along surfaces to distant ignition sources and flash back.
Hazardous combustion products: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Remove all potential ignition sources. Prevent spread of spill. Wear full protective equipment including suitable respiratory protection. Absorb with sand or inert material. Place into suitable container for disposal.

7. HANDLING AND STORAGE

Storage and Handling: Store locked up in a cool, dry, well-ventilated flammable liquids storage area or cabinet away from incompatible materials. Keep away from heat and ignition sources. Keep containers tightly closed and protect them from physical damage. Bond and ground containers when transferring liquid. Use only non-sparking tools and take precautionary measures against static discharge. No smoking.
Keep away from heat, sparks, open flames, hot surfaces. – 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.
Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapors, spray.
Wash thoroughly after handling.
Wear protective gloves, eye protection, face protection.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:

<table>
<thead>
<tr>
<th>Compound</th>
<th>OSHA TWA</th>
<th>ACGIH TWA</th>
<th>ACGIH STEL</th>
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<tbody>
<tr>
<td>n-Amyl acetate</td>
<td>100 ppm</td>
<td>525 mg/m3</td>
<td>100 ppm</td>
</tr>
<tr>
<td>2-Methyl butyl acetate</td>
<td>50 ppm</td>
<td></td>
<td>100 ppm</td>
</tr>
<tr>
<td>Isoamyl acetate</td>
<td>100 ppm</td>
<td>525 mg/m3</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

Engineering Controls: Use general or local exhaust ventilation to meet TLV and PEL requirements.
Respiratory Protection: Respiratory protection required if airborne concentrations exceed PEL or TLV. Use a NIOSH approved chemical cartridge respirator with an organic vapor cartridge.
Skin/Eye Protective Equipment: Safety goggles, protective clothing and gloves appropriate for the risk of exposure.

Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers.
Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid
Odor: Banana odor
Odor Threshold: Not available
pH: Not available
Melting/Freezing Point: -71 °C
Initial Boiling Point and Boiling Range: 149 °C
Flash Point: 38 °C
Evaporation Rate: 0.42 Butyl Acetate=1
Flammability: Not available
Flammable or Explosive Limits (% by volume in air) Upper: 7.5 Lower: 1.1
Vapor Pressure: 5 mm Hg @25°C
Vapor Density: 4.5
Relative Density: 0.88 Water=1
Solubility: Poor solubility in water
Partition Coefficient: n-octanol/water Not available
Auto-Ignition Temperature: 379 °C
Decomposition Temperature: Not available
10. STABILITY AND REACTIVITY
Reactivity: No information available
Stability: Stable
Possibility of Hazardous Reactions: Hazardous polymerization will not occur
Conditions to Avoid: Heat, sparks and open flame.
Incompatibles: Incompatible with strong acids, strong bases, strong oxidizers. Nitrates.
Decomposition Products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION
Effects of Over Exposure:
Inhalation: Harmful if inhaled. Symptoms include respiratory tract irritation, coughing, dizziness, dullness and headache. High concentrations can produce central nervous system depression, narcosis and unconsciousness.
Skin Contact: Contact may cause skin irritation.
Eye Contact: May irritate or burn the eyes.
Ingestion: May be irritating to the mouth, throat and gastrointestinal tract if swallowed. Poisoning symptoms similar to inhalation.
Chronic Effects: Prolonged or repeated skin contact may produce severe irritation or dermatitis. Eye effects.
Target Organs: Eyes, skin, respiratory system, central nervous system.
Additional Effects: None identified
Reproductive Effects: None identified
Carcinogenicity: None identified

Toxicity Data:
- n-Amyl acetate: No information available
- 2-Methyl butyl acetate: No information available.
- Isoamyl acetate: LD50 (oral, rat) 16600 mg/kg

12. ECOLOGICAL INFORMATION
Aquatic Toxicity Data: Terrestrial Toxicity Data:
- n-Amyl acetate: No information available No information available
- 2-Methyl butyl acetate: No information available No information available
- Isoamyl acetate: No information available No information available

Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS
Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION
This product is a regulated material for domestic ground transportation, per CFR Title 49.
- UN Number: 1104
- Proper Shipping Name: Amyl acetates
- Packing Group: III
- Hazard Class: 3
- Environmental hazards: No information available
- Special precautions: No information available
- Bulk transport: No information available

15. REGULATORY INFORMATION
n-Amyl acetate is listed in the TSCA inventory.
2-Methyl butyl acetate is listed in the TSCA inventory.
Isoamyl acetate is listed in the TSCA inventory.

16. OTHER INFORMATION
OSHA SDS #: 25153 rev 101 3/27/2015

NE = Not established, NA = Not applicable or Not available
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***** END OF SDS *****