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SAFETY DATA SHEET

Product Code: 100010
Product Trade Name: PM Acetate
Product Class / Intended End Use: Thinner
Emergency Telephone Numbers: For emergency health, safety and environmental information call 416-252-5676 (Monday to Friday 9am-4pm est/edt)

For Emergency Transportation Information call CANUTEC at 613-996-6666

SECTION 2: HAZARDS IDENTIFICATION

Classification:

| | |
|---------------------------|-----------------|
| | Category |
| Flammable Liquid & Vapour | 3 |
| Signal word: | Warning |

Hazard Statements:

- Flammable liquid and vapour

Precautionary Statements:

- Keep away from heat / sparks / open flames / hot surfaces. NO SMOKING
- Keep containers tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilation/lighting/equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Wear protective gloves/protective clothing/eye protection/face protection
- Store locked up

Other Hazards Which do no Result in Classification:

- None known

Hazard Pictograms:



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| NAME | CAS # | WT % |
|--|----------|------|
| 2-methoxy-1-methylethyl acetate | 108-65-6 | 100 |
| <i>N/A = Not Available N/E = Not Established</i> | | |

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SECTION 4: FIRST-AID MEASURES

| | |
|----------------------|--|
| Inhalation: | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician. |
| Skin Contact: | Take off contaminated clothing. Rinse skin with soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, get medical attention. |
| Eye Contact: | Immediately flush eyes with gentle flowing water for 10-15 minutes. Remove contact lenses if present and easy to do. Get medical attention. |
| Ingestion: | Get medical advice/attention. |

Call a poison centre or doctor/physician if you feel unwell.

Most Important Symptoms and Effects (both acute and delayed):

- None known

Indication of any Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

| | |
|--|---|
| Suitable Extinguishing Media: | Water fog, CO ₂ , extinguishing powder, foam. |
| Unsuitable Extinguishing Media: | Do not use a solid water stream as it may scatter and spread fire. |
| Specific Hazards Arising from the Substance or Mixture: | None known. |
| Special Protective Equipment and Precautions for Fire Fighters: | Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|---|--|
| Personal Precautions, Protective Equipment and Emergency Procedures: | Use personal protective equipment. Local authorities should be advised if significant spillages cannot be contained. |
| Environmental Precautions: | Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike the area to prevent spreading. |
| Methods and Materials for Containment and Clean Up: | Sweep up or vacuum up spillage and collect in suitable container for disposal. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). |

SECTION 7: HANDLING AND STORAGE

| | |
|---------------------------------------|--|
| Precautions for Safe Handling: | Use only in area provided with appropriate exhaust ventilation. Wash thoroughly after handling. |
| Conditions for Safe Storage: | Keep away from heat, sparks and open flame. - No smoking. Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Keep cool. Keep container tightly closed. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. |
| Incompatibles: | Strong oxidizers (e.g. Chlorine, Peroxides, etc.). |

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

| Name | ACGIH TLV (ppm) | | OSHA PEL (ppm) | |
|--|-----------------|------|----------------|------|
| | TWA | STEL | PEL | STEL |
| 2-methoxy-1-methylethyl acetate | 50 | N/A | N/A | N/A |
| <i>N/A = Not Available N/E = Not Established</i> | | | | |

- Control Parameters:** No TLV data available on product.
- Appropriate Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapours below their respective threshold limit value.
- Personal Protective Equipment**
- Respiratory Protection:** Respiratory protection is required if the concentrations exceed the TLV. Use a NIOSH approved dust respirator if dust levels exceed exposure limits. Seek advice from respiratory protection specialists.
- Eye/Face Protection:** Safety glasses.
- Other Protective Equipment:** Remove respiratory and skin/eye protection only after vapors have been cleared from the area. Ensure that eye flushing systems and safety showers are located close to the working place. Use personal protective equipment as required.
- General Hygiene Considerations:** Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9: PHYSICAL PROPERTIES

| | |
|--|--------------------|
| % Volatiles by Weight: | 100 |
| Autoignition Temperature | Data not Available |
| Boiling Point: | 150 °C / 302 °F |
| Decomposition Temperature: | Data not Available |
| Density / Specific Gravity: | 0.969 |
| Explosion Limit: | Data not Available |
| Flammability (solid, gas): | Flammable |
| Flash Point (Setaflash Closed Cup): | 46 °C / 114.8 °F |
| Melting Point/Freezing Point: | Not Applicable |
| Odour Threshold: | Data not Available |
| Odour: | Sweet |
| Partition Coefficient: | Data not Available |
| pH: | Data not Available |
| Physical State/Appearance: | Clear Liquid |
| Relative Evaporation Rate (Butylacetate=1) | Data not Available |
| Solubility in Water: | Soluble |
| Vapour Density: | Not Applicable |
| Vapour Pressure: | Not Applicable |
| Viscosity: | Watery |

SECTION 10: STABILITY AND REACTIVITY

| | |
|-------------------------------------|---|
| Reactivity: | Not normally reactive under normal condition of usage. |
| Chemical Stability: | Stable under normal condition of usage. |
| Possibility of Hazardous Reactions: | Under normal storage and use, hazardous polymerization will not occur. |
| Conditions to Avoid: | Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials. |
| Incompatibles: | Strong oxidizing agents. |
| Hazardous Decomposition Products: | Carbon dioxide (CO ₂), Carbon monoxide |

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SECTION 11: TOXICOLOGICAL INFORMATION

| Name | LD 50 | | | LC 50 | | |
|--|----------------|---------------|----------------|-------|--------|----------------|
| | mg/kg | Animal | Route | ppm | Animal | Route |
| 2-methoxy-1-methylethyl acetate | 6190 >5,000 | Rat Rabbit | Oral Dermal | >4345 | Rat | Inhalation, 6h |
| <i>N/A = Not Available N/E = Not Established</i> | | | | | | |

Acute Toxicity: Not classified based on available information.

Likely Routes of Exposure: Inhalation, eye contact, skin contact, ingestion.

Symptoms/Injuries after Inhalation: Not classified based on available information.

Symptoms/Injuries after Skin Contact: Not classified based on available information.

Symptoms/Injuries after Eye Contact: Not classified based on available information.

Symptoms/Injuries after Ingestion: Not classified based on available information.

Potential Chronic Health Effects: None known.

Specific Target Organ Effects: None known.

SECTION 12: ECOLOGICAL INFORMATION

| | |
|---------------------------------------|---------------------------|
| Ecotoxicity: | Data not available. |
| VOC (g/L): | 969 |
| Persistence and Degradability: | Not readily biodegradable |
| Bio-accumulative Potential: | No test data |
| Mobility in Soil: | Data not available |
| Other Adverse Effects: | None known |

SECTION 13: DISPOSAL CONSIDERATIONS

Handling for Disposal: Handle waste according to recommendations in Section 7. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not cut, weld, drill or grind on or near this container.

Methods of Disposal: Dispose of in accordance with federal, provincial/state and local hazardous waste laws. Do not discharge into sewage or municipal water.

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

DO NOT INCINERATE CLOSED CONTAINERS.

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SECTION 14: TRANSPORTATION INFORMATION

| | |
|--------------------------------------|---|
| UN Number: | 3272 |
| UN Proper Shipping Name: | Esters, n.o.s. (propylene glycol monomethyl ether acetate) |
| Transport Hazard Class: | 3 |
| Packing Group: | III |
| Environmental Hazards: | Not classified based on available information. |
| Special Precautions for User: | Appropriate advice on safety should accompany the package. Keep away from heat, sparks and open flame. Avoid static electricity. |
| Transport in Bulk: | Information not available. |

SECTION 15: REGULATORY INFORMATION

| | |
|----------------|--|
| Canada: | All components are in compliance with the Canadian environmental protection act and are present on the domestic substances list. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR. |
| USA: | TSCA: All components of this material are on the US TSCA inventory or are exempt. OSHA: This material is classified as hazardous under OSHA regulation (29CFR 1910.1200). CERCLA: Reportable quantities (RQ) (40 CFR 117.302). Data not Available. SARA TITLE 111: Sec 302, extremely hazardous substances, 40 CFR 355 - Data not available SARA TITLE 111: Sec 313, toxic chemical notification, 40 CFR 372 - Data not Available |

SECTION 16: OTHER INFORMATION

| | | | |
|--------------|----------|----------------|--------------------|
| HMIS: | Health 1 | Flammability 2 | Physical Hazards 1 |
| NFPA: | Health 1 | Flammability 2 | Instability 0 |

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DISCLAIMER

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END OF SAFETY DATA SHEET