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1. Identification of the Substance or Mixture and of the Supplier Commercial Name - SPETEC Pump Cleaner														
<p>Supplier Resiplast US, Inc. P.O. Box 308 Cypress, Texas 77410 USA Phone: 855-909-1800 (7:30am-5:00pm CST Weekdays) Website: www.resiplastus.com</p> <p>24 hour Emergency Phone: CHEMTREC US and Canada: 1-800-424-9300 Outside US and Canada: +1 703-527-3887</p>														
2. Hazards Identification Hazard Statements: H100's = General, H200's = Physical, H300's = Health, H400's = Environmental H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation H320 Causes eye irritation H335 May cause respiratory irritation H336 May cause drowsiness or dizziness Precautionary Statements: P100's = General, P200's = Prevention, P300's = Response, P400's – Storage, P500's = Disposal P280 Wear protective gloves/protective clothing/eye protection/face protection.														
3. Composition/Information on Ingredients <table border="0" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Material</u></th> <th style="text-align: left;">CAS No</th> <th style="text-align: left;">% wt</th> </tr> </thead> <tbody> <tr> <td>Dimethyl Glutarate</td> <td>1119-40-0</td> <td>55-65</td> </tr> <tr> <td>Dimethyl Succinate</td> <td>106-65-0</td> <td>15-25</td> </tr> <tr> <td>Dimethyl Adipate</td> <td>627-93-0</td> <td>10-25</td> </tr> </tbody> </table> <p>Trace Components: Trace ingredients (in any) are present in < 1% concentration, (<0.1% for potential carcinogens, reproductive toxins, respiratory trace mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), and U.S. State equivalents.</p> <p style="text-align: center;">See Sections 8, 11, & 12 for Toxicological information.</p>			<u>Material</u>	CAS No	% wt	Dimethyl Glutarate	1119-40-0	55-65	Dimethyl Succinate	106-65-0	15-25	Dimethyl Adipate	627-93-0	10-25
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4. First aid Measures

General: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

EYES: Immediately flush eyes gently with water for at least 15 minutes, while holding open upper and lower lids. Immediately seek medical attention.

SKIN: If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary.

INGESTION: SEEK IMMEDIATE MEDICAL ATTENTION! DELAYED TREATMENT MAY RESULT IN FATALITY. Do Not Induce Vomiting. If professional advice is not available, give two glasses of water to drink.

INHALATION: Move to an area free from further exposure. If breathing is difficult, give oxygen. Get medical attention immediately. Administer oxygen or artificial respiration as needed. Asthmatic symptoms may develop and may be immediate or delayed up to several hours. Extreme asthmatic reactions can be life threatening.

Notes to Physician:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration.

5. Fire - fighting measures

No Open flames.

EXTINGUISHING MEDIA: Dry chemical, CO₂, Foam or Water Fog

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective on fire but can protect fire fighters and cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear (helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive pressure self-contained breathing apparatus.

Unusual Explosion and Fire Procedures: COMBUSTIBLE!

Isolate from oxidizers, heat and open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Empty container hazardous.



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6. Accidental Release Measures

Spill and Leak Response and Environmental Precautions: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

Personal Protective Equipment: The proper personal protective equipment for incidental releases (such as: 1 Liter of the product released in a well-ventilated area), use impermeable gloves, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suite and boots, and hard hat. Self-contained breathing apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

Environmental Precautions: Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance

Containment and Clean-up Measures: Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as sand, soil). Shovel up and place all spill residue in suitable containers, dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

7. Handling and Storage

Handling: Isolate from oxidizers, heat and open flame. Use only with adequate ventilation. Avoid contact with skin and eyes. Wear OSHA standard goggles or face shield. Consult safety equipment supplier. Wear goggles, face shield, gloves, apron and footwear impervious to material. Wash clothing before reuse.

Storage: Isolate from strong oxidants. Keep container tightly closed and upright when not in use to prevent leakage. Store in a cool, dry location, away from direct sunlight, sources of intense heat or where freezing is possible. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.



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8. Exposure Controls / Personal Protection

<u>Material</u>	<u>CAS No</u>	<u>TWA (OSHA)</u>	<u>TLV (ACGIH)</u>
Dimethyl Glutarate	1119-40-0	None	Known None Known
Dimethyl Succinate	106-65-0	None	Known None Known
Dimethyl Adipate	627-93-0	None	Known None Known

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

Respiratory Exposure Controls: Maintain airborne contaminant concentrations below exposure limits given above. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, European Standard EN 149, or applicable state regulations. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For a higher level of protection, use positive pressure supplied air respiration protection or self-contained breathing apparatus or if oxygen levels are below 19.5% or are unknown.

Emergency or Planned Entry into Unknown Concentrations or IDLH Conditions:

Positive pressure, full-face piece self-contained breathing apparatus; or positive pressure, full-face piece self-contained breathing apparatus with an auxiliary positive pressure self-contained breathing apparatus.

Ventilation:

Local Exhaust: Necessary Mechanical (General): Necessary
Special: None Other: None

Eye Protection: Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

Hand Protection: Wear appropriate impervious gloves for routine industrial use. Use impervious gloves for spill response as stated in Section 6 of this SDS (Accidental Release Measures).

Body Protection: Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from impervious materials are generally acceptable, depending on the task.

Work & Hygienic practices: Provide readily accessible eye wash stations and safety showers. Wash at end of each shift and before eating, smoking or using the toilet. Remove clothing that becomes contaminated.

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9. Physical and Chemical Properties

Appearance:	Liquid, Water-White
Odor:	Ester
Odor Threshold:	Not Available
pH (Neutrality):	Not Applicable
Melting Point:	Not Available
Boiling Range	196 212 225 C / 385 415 437 F
Flash Point:	100 C / 212 F
Evaporation rate:	0.076
Flammability:	Class III-B
Vapor pressure:	0.45mm Hg@ 20°C
Vapor Density:	5.5
Solubility (H ₂ O):	Negligible

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Isolate from oxidizers, heat & open flame.

Materials to Avoid: Reacts with strong oxidants, causing fire & explosion hazard.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide from burning.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Acute Hazards

Eye & Skin Contact: Primary irritation to skin, defatting, and dermatitis.

Primary irritation to eyes, redness, tearing, blurred vision.

Liquid can cause eye irritation. Wash thoroughly after handling.

Inhalation: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.

Swallowing: Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.



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11. Continued

Subchronic Hazards/Conditions Aggravated

Conditions aggravated: Persons with severe skid, liver or kidney problems should avoid use.

Chronic Hazards: Cancer, Reproductive and other chronic hazards:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACHIG, as of this date, greater or equal to 0.1%

12. Ecological Information

All work practices must be aimed at eliminating environmental contamination.

Effect of material on plants and animals:

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

Effect of Material on Aquatic Life:

No aquatic environmental information is available on this product.

Mobility In Soil:

This material is a mobile liquid.

Degradability:

This product is completely biodegradable.

Accumulation:

This product does not accumulate or bio magnify in the environment.

13. Disposal Considerations

Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste hauler for disposal. **All disposal must be in accordance with all Federal, State, Provincial, and Local Regulations. If in doubt, contact proper agencies.**

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14. Transport Information

DOT/TDG Ship Name: Not Regulated
IATA / ICAO: Not Regulated
IMO / IMDG: Not Regulated
Emergency Response Guidebook number: 128

15. Regulatory Information

EPA Regulation:
SARA Section 311 / 312 Hazards: Acute Health



All component of this product are on the TSCA list. This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

State Regulations:

This product meets requirements of Southern California AQMD Rule 443.1 & Similar Regulations.

California Safe Drinking Water & Toxic Enforcement Act (Proposition 65):

This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

16. Other Information

NFPA HAZARD CLASSIFICATION:

HEALTH: 1 FLAMMABILITY: 1

HMIS:

HEALTH: 1 FLAMMABILITY: 1 PHYSICAL HAZARD: 0

Do not use this product unless trained to do so.

PREPARATION INFORMATION:

January 2015

This MSDS is on a three year review cycle. If the date on this sheet is older than three years please contact Resiplast US, Inc. for an updated MSDS.

DISCLAIMER:

All information appearing herein is based on manufacturer and/or recognized technical sources. While the information is believed accurate Resiplast US, Inc. makes no representations as to the accuracy or sufficiency of the information.