

MATERIAL SAFETY DATA SHEET

THE HALLSTAR COMPANY

Section 1 - Identification of Substance and Company

Product Name: PARAPLEX® GA-20 80%

Product Code: 3796

Chemical Name: Polyester Plasticizer

Supplier: The HallStar Company⁽¹⁾
120 S. Riverside Plaza Suite 1620
Chicago, IL 60606 PH: (877) 427-4255
USA

HMIS
Health: 1
Flammability: 3
Reactivity: 0
Gloves & Safety Glasses

Emergency Phone Numbers: The HallStar Company: (708) 594 - 5999
CHEMTREC: (800) 424 - 9300

Section 2 - Information on Ingredients

<u>Chemical Name:</u>	<u>CAS #:</u>
Polyester Plasticizer	Proprietary
Methyl n-Amyl Ketone	110-43-0

Section 3 - Hazard Identification

Appearance/Odor: Light yellow liquid, clear to slightly hazy liquid.

Potential Health Effects

Skin Contact: Repeated or prolonged skin contact may cause drying, cracking or irritation.
Eye Contact: The liquid and/or high vapor concentrations may cause irritation of the eyes.
Ingestion: Effects unknown.
Inhalation: High vapor concentrations may cause drowsiness and irritation of the respiratory tract.

Section 4 - First Aid Measures

Skin Contact: Wash affected skin with soap and water. Get medical attention if symptoms persist.
Eye Contact: Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, consult a physician. In case of irritation from airborne exposure, move to fresh air.
Ingestion: Rinse mouth and seek medical attention.
Inhalation: Person should be moved to a fresh air environment.

Section 5 - Explosion and Fire-Fighting Measures

Extinguishing Media: CO₂, Dry Chemical, Foam
Special Fire-Fighting Procedures: A MSHA/NIOSH approved self contained breathing apparatus should be worn. Use water spray to cool fire-exposed containers.
Unusual Fire and Explosion Hazards: Combustible. Water may cause frothing.
Hazardous Combustion Products: Carbon dioxide, carbon monoxide

Section 6 - Accidental Release/Spill Procedures

Steps to be Taken in Case Material is Released or Spilled: Dike and contain the spill with inert material (ie: sand, earth, sawdust) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

Section 7 - Handling and Storage

Avoid breathing high vapor concentrations. Any use of this product in an elevated process should be evaluated to Establish and maintain safe operating procedures.

Keep containers tightly closed and stored in a dry, well-ventilated place. Keep away from heat and oxidizing materials.

Section 8 - Personal Protection

OSHA Permissible Exposure Limit (PEL): methyl n-amyl ketone: 100 ppm TWA
ACGIH Threshold Limit Value (TLV): methyl n-amyl ketone: 50 ppm TWA

Hand Protection: Impervious gloves

Respiratory Protection: If engineering controls do not maintain airborne concentrations of methyl n-amyl ketone below recommended exposure limits, an approved respirator must be worn.

Eye Protection: Safety glasses

Engineering Measures: For normal operation, local exhaust ventilation should suffice. Direct exhaust when Material becomes heated and fumes are given off.

Other: Eyewash facility in vicinity.

Section 9 - Physical and Chemical Properties

Boiling Point:	Unknown	Specific Gravity:	1.05
Flash Point (COC):	80° F	Solubility in Water @ 25°C:	< 1%
Volatility (105°C/2 hours):	227.64 g/L	pH:	N/A
% Solids:	80 ± 1%		
Appearance and Odor:	Light yellow color, clear to slightly hazy liquid.		

Section 10 - Stability and Reactivity

Stability: This product is stable under normal conditions.

Conditions to Avoid: Strong oxidizing agents.

Hazardous Polymerization: Will not occur under normal circumstances.

Product Name: PARAPLEX® GA-20 80%

Section 11 - Toxicological Information

Effects of Exposure to Methyl n-Amyl Ketone: Based on animal data and structure activity relationships, methyl n-amyl ketone is NOT expected to cause nervous system damage.

Acute Toxicity Data for Methyl n-Amyl Ketone:

Oral LD-50 (rat): 1600 mg/kg
Oral LD-50 (mouse): 730 mg/kg
Inhalation LC-50 (rat): 2000-4000 ppm / 4 hour(s)
Dermal LD-50 (rabbit): 12.6 mL/kg
Dermal LD-50 (guinea pig): >20 mL/kg
Skin irritation (rabbit): slight to moderate
Skin sensitization (human): none
Eye irritation (rabbit): slight

Section 12 - Ecological Information

Methyl n-Amyl Ketone has a low potential to affect aquatic environment, a low potential to bioconcentrate, is expected to biodegrade, and is not expected to persist for long periods in an aquatic environment.

Oxygen Demand Data for Methyl n-Amyl Ketone:

BOD-5: 1.77 g oxygen/g
BOD-20: 2.0 g oxygen/g
COD: 2.42 g oxygen/g

Acute Aquatic Effects Data for Methyl n-Amyl Ketone: 96-h LC-50 (fathead minnow): 131 mg/l

Section 13 - Disposal Considerations

Waste Disposal Methods: Material should be disposed of in accordance to current local and national regulations. Contacting a waste disposal service is recommended.

Section 14 - Transport Information

DOT Proper Shipping Name: Resin Solution
DOT Hazard Class: 3
DOT ID Number: UN1866
DOT Packing Group: II

Section 15 - Regulatory Information

Toxic Substances Control Act (TSCA): This product is in compliance with the TSCA regulation of the United States.

Superfund Amendments and Reauthorization Act (SARA): This product has the following hazards as defined in Section 311/312 of 40 CFR part 372:

Hazards

Acute (Immediate) Health Hazard
Fire Hazard

Product Name: PARAPLEX® GA-20 80%

This product contains the following chemicals subject to the reporting requirements of Section 313 or Title III of SARA and 40 CFR Part 372:

Ingredients

None

California Proposition 65: This product contains the following substances known to the state of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986.

Ingredients

None

Section 16 - Other Information

Prepared By: AAC

Revision Date: 06/07

Supersedes: 03/07

All information is presented in good faith using available information. The HallStar Company makes no representation of the accuracy or completeness of the information. The user should consider this information as a supplement to other information that may be available. User should also determine suitability of information in their situation to determine proper use and disposal, protection of persons and the environment

⁽¹⁾ Affiliated companies include RTD*HallStar Company, HallStar Solutions Corp., Ester Solutions Company, Memphis Solutions Company and Marine Magnesium & Minerals Company.