

# MATERIAL SAFETY DATA SHEET

## THE HALLSTAR COMPANY

### Section 1 - Identification of Substance and Company

**Product Name:** PARAPLEX® RGA-2 80%

**Product Code:** 3780

**Chemical Name:** Polyester Plasticizer

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

**HMIS**  
Health: 2  
Flammability: 3  
Reactivity: 0  
Gloves & Safety Glasses

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

### Section 2 - Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>
Polyester Plasticizer	NJTSRN: 8009285070
Butyl Acetate	123-86-4

### Section 3 - Hazard Identification

**Appearance/Odor:** Light yellow liquid

#### Potential Health Effects

**Skin Contact:** Repeated or prolonged skin contact may cause skin irritation, drying or cracking.  
**Eye Contact:** Causes eye irritation. High vapor concentration may cause irritation.  
**Ingestion:** Expected to be a low ingestion hazard.  
**Inhalation:** High vapor concentration may cause drowsiness and irritation of the respiratory tract.

### Section 4 - First Aid Measures

**Skin Contact:** Wash affected skin with soap and water. If drying occurs a topical lotion should be applied.  
**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:** CO<sub>2</sub> , Dry Chemical, Water Fog

**Special Fire-Fighting Procedures:** A MSHA/NIOSH approved self contained breathing apparatus should be worn. Use water spray to cool fire-exposed containers. USE WATER WITH CAUTION. Material will float and may ignite on surface of water.

**Unusual Fire and Explosion Hazards:** Water may cause frothing. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent build-up of vapors or gases to explosive concentrations.

## Section 6 - Accidental Release/Spill Procedures

**Steps to be Taken in Case Material is Released or Spilled:** Eliminate all ignition sources. 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

Any use of this product in an elevated temperature process should be evaluated to establish and maintain safe operating procedures.

Avoid contact with eyes and prolonged or repeated contact with skin. Avoid breathing high vapor concentrations.

Containers should be kept tightly closed and stored in a dry well-ventilated place. Keep away from heat, sparks, flame, and oxidizing materials. Use only with adequate ventilation.

## Section 8 - Personal Protection

ACGIH TLV: butyl acetate: 150 ppm TWA, 200 ppm STEL

OSHA PEL: butyl acetate: 150 ppm TWA

**Hand Protection:** Impervious gloves

**Eye Protection:** Splash goggles

**Respiratory Protection:** A NIOSH approved respirator must be worn when the PEL/TLV is met or exceeded.

**Engineering Measures:** General or local exhaust ventilation sufficient to maintain employee exposure below the PEL/TLV.

**Other:** Eyewash facility in vicinity.

## Section 9 - Physical and Chemical Properties

**Boiling Point:** N/A

**Flash Point (COC):** 98° F

**Vapor Density:** N/A

**Vapor Pressure:** N/A

**Specific Gravity:** 1.015

**Evaporation Rate:** N/A

**Solubility in Water:** <1%

**Volatility (105°C/2hrs):** 200 g/L

**Appearance and Odor:** Light yellow liquid

## Section 10 - Stability and Reactivity

**Stability:** This product is stable under normal conditions.

**Conditions to Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** None under normal use conditions; oxides of carbon when burned. Hazardous polymerization will not occur under normal circumstances.

## Section 11 - Toxicological Information

The following data pertains to Butyl Acetate:

### Acute Toxicity Data:

- Oral LD-50 (rat): 14130 mg/kg
- Oral LD-50 (mouse): 7100 mg/kg
- Inhalation LC-50 (rat): >1800 ppm/6 hours
- Inhalation LC-50 (guinea pig): >7000 ppm/13 hours
- Dermal LD-50 (guinea pig): >10 ml/kg
- Skin irritation (guinea pig): slight
- Eye irritation (rabbit): moderate

## Section 12 - Ecological Information

The following data pertains to Butyl Acetate:

Butyl acetate has a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to persist in the environment. When diluted with a large amount of water, this material released directly or indirectly into the environment is not expected to have a significant impact.

### Oxygen Demand Data:

- ThOD: 2.07g oxygen/g
- BOD-5: 1.020g oxygen/g
- BOD-20: 1.45g oxygen/g

### Acute Aquatic Effects Data:

- 96h LC-50 (bluegill sunfish): 100 mg/L
- 96h LC-50 (tidewater silverside): 185 mg/L
- 96h LC-50 (daphnid): 44-205 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

Regulated as hazardous per Department of Transportation regulations.

- DOT Proper Shipping Name: Flammable Liquid, NOS
- DOT Technical Name: (contains butyl acetate)
- DOT Hazard Class: 3
- DOT Identification Number: UN 1993
- DOT Packing Group: III
- DOT RQ: 5000 lbs. n-butyl acetate; 25,000 lbs. product

## Section 15 - Regulatory Information

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

**Domestic Substance List (DSL):** This product is listed on the DSL inventory of Canada.

**Australian Inventory of Chemical Substances (AICS):** This product is listed on the AICS inventory of Australia.

**Inventory of Existing Chemical Substances in China (IECSC):** This product is listed on the IECSC of China.

**European Inventory of Existing Chemical Substances (EINECS):** This product or its monomers are listed on the EINECS inventory of Europe.

**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

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: DCU

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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.

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