



HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

## SAFETY DATA SHEET

Prepared by Duro Dyne December 27, 2013

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade name:** DURO DYNE SOLVENT BASED ADHESIVE  
**Product Identifier:** RPG-1, RPG-5, RPG-55  
**Item #:** 5047, 5048, 5049  
**Supplier Details:** DURO DYNE CORPORATION  
81 Spence Street  
Bay Shore, NY 11706  
**Information**  
**Phone No:** 800-899-3876  
**Emergency**  
**Phone No:** 800-255-3924 (CHEMTREC)

### 2. HAZARD IDENTIFICATION

**Permissible Exposure Level:** 50 ppm  
**Threshold Limit Value:** 50 ppm  
**Effects of Acute Overexposure:**  
**Eyes:** Can cause severe irritation, redness, tearing, blurred vision.  
**Skin:** Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.  
**Breathing:** Excessive inhalation or vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.  
**Swallowing:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis, which can be fatal.  
**Effects of Chronic Overexposure:** Prolonged or repeated exposure to N-Hexane may damage peripheral nerve tissue (that of the arms and legs) and result in muscular weakness and loss of sensation in the extremities (Peripheral Neuropathy). Methyl Ethyl Ketone may potentate (shorten time of onset) peripheral neuropathy caused by N-Hexane. Prolonged and repeated inhalation of high levels of mixed isomers of Hexane resulted kidney damage in male rats. The effects observed are the same of those seen in male rats exposed to other hydrocarbons. The mechanism by which these chemicals cause the characteristics kidney toxicity is unique to the male rat and the kidney effects are not expected to occur in man. Overexposure to this material (or its components) has been suggested as a cause of the following effects in

humans and may aggravate pre-existing disorders of these organs, central nervous system, and visual impairment.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>PRINCIPAL HAZARDOUS COMPONENTS</b>	<b>% BY WEIGHT</b>	<b>CAS#</b>	<b>THRESHOLD LIMIT VALUE</b>
Toluene	12.5%	108-88-3	100 ppm
Hexane	55.5%	110-54-3	50 ppm

These chemicals are subject to the reporting requirements of Section 313 of Sara Title III. OSHA, NTP or IARC does not class the ingredients in this product as carcinogens. All ingredients in this product are on the TSCA Inventory.

### **4. FIRST AID MEASURES**

<b>Skin:</b>	Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
<b>Eyes:</b>	Flush with large amounts of water. Lifting upper and lower lids occasionally, Get medical attention.
<b>Ingested:</b>	Do not induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal.
<b>Inhalation:</b>	If affected remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.
<b>Primary Routes of Entry:</b>	Inhalation, skin contact.
<b>Effects of Chronic Overexposure:</b>	Prolonged or repeated exposure to N-Hexane may Damage peripheral nerve tissue(that of the arms and legs) and result in muscular weakness and loss of sensation in the extremities (Peripheral Neuropathy). Methyl Ethyl Ketone may potentate (shorten the time of onset) peripheral neuropathy caused by N-Hexane. Prolonged and repeated inhalation of high levels of mixed isomers of Hexane resulted kidney damage in male rats. The effects observed are the same of those seen in male rats exposed to other hydrocarbons. The mechanism by which these chemicals cause the characteristic kidney toxicity is unique to the male rat and the kidney effects are not expected to occur in man. Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans and may aggravate pre-existing disorders of these organs, central nervous system, and visual impairment.

## **5. FIRE-FIGHTING MEASURES**

<b>Flash Point (Test Method):</b>	Tag closed cup. <0°F
<b>Flammable Limits:</b>	LEL: 1.2% UEL: 6.9%
<b>Extinguishing Media:</b>	Foam, dry chemical CO <sub>2</sub> , water fog or spray.
<b>Special Fire Fighting Procedures:</b>	Use air supplied breathing equipment for enclosed areas. Avoid breathing of vapor or fumes.
<b>Unusual Fire &amp; Explosion Hazards:</b>	Heat may build up pressure in closed containers. Cool with water spray.

## **6. ACCIDENTAL RELEASE MEASURES**

<b>Spill Response:</b>	Remove all ignition sources. Keep people away. Recover liquid. Add absorbent sawdust, etc. Ventilate, wipe up. Place in sealed containers.
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## **7. HANDLING AND STORAGE**

<b>Hygienic Practices in Handling &amp; Storage:</b>	Flammable mixture. Do not store near heat, sparks or open flame. Use with adequate ventilation. Avoid prolonged or repeated breathing of vapor or contact with skin. Do not take internally, in an emergency call a physician. Keep out of reach of children. Do not store with strong oxidants like liquid chlorine or concentrated oxygen.
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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Eye Protection:</b>	Splash goggles or safety glasses.
<b>Skin Protection:</b>	Chemical resistant gloves.
<b>Respiratory Protection (Specific Type):</b>	NIOSH approved dual cartridge respirator with cartridges suitable for organic solvent vapor.
<b>Ventilation Recommended:</b>	Adequate = to outdoors.
<b>Other Protection:</b>	Eye wash, safety shower.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Point:</b>	150°F
<b>Specific Gravity (Water = 1):</b>	.77
<b>Vapor Pressure (mmHg):</b>	180
<b>Percent Volatile:</b>	68% by weight
<b>Vapor Density (Air = 1):</b>	3
<b>Evaporation Rate (N-Butyl Acetate = 1):</b>	8
<b>Solubility in Water:</b>	Not Soluble.
<b>Appearance &amp; Odor:</b>	Amber colored syrup, mild odor.
<b>Volatile Organic Content:</b>	4.43 lbs/gal or 531 grams/liter

## **10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	None

<b>Incompatibility/Materials to Avoid:</b>	Strong oxidants like liquid chlorine.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	None
<b>Hazardous Decomposition of Products:</b>	If burned, fumes could contain oxides of carbon and nitrogen.

#### **11. TOXICOLOGICAL INFORMATION**

**No information available.**

#### **12. ECOLOGICAL INFORMATION**

**No information available.**

#### **13. DISPOSAL METHOD**

<b>Waste Disposal Method:</b>	Approved site. Obey local, state and federal regulations.
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#### **14. TRANSPORT INFORMATION**

<b>Proper DOT Shipping Name:</b>	Adhesive Containing Flammable Liquid,3, PG II.
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#### **15. REGULATORY INFORMATION**

<b>Chemical Family:</b>	Solvent Based Adhesive
<b>DOT Hazard Classification:</b>	UN 1133

#### **16. OTHER INFORMATION**

<b>Warning:</b>	This product contains chemicals known to the State of California to cause cancer.
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<b>Hazard Rating:</b>	Health: 2 Flammability: 3 Reactivity: 0
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<b>Date SDS Prepared:</b>	April 3, 2012
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