

## SECTION 1: IDENTIFICATION

**Manufacturer**

Choice Adhesives

**Address**

 666 Redna Terrace, Suite 600  
Cincinnati, OH 45215

 2500 Carroll Avenue  
Lynchburg, VA 24501

**Information Telephone Number**

513-772-1234

434-847-5671

**Emergency Contact Number:**

800-424-9300 (CHEMTREC)

**Recommended Use**

Adhesive

## SECTION 2: HAZARD(S) IDENTIFICATION

**Classifications**

Skin Irritation: Category 2  
 Eye Damage: Category 2A  
 Reproductive Toxicity: Category 2  
 STOT Single Exposure: Category 3  
 STOT Repeated Exposure: Category 2  
 Aspiration: Category 1  
 Flammable Liquid: Category 2  
 Aquatic Hazard Acute: Category 1  
 Aquatic Hazard Long-term: Category 1

**Pictograms**

**GHS Signal Word**

DANGER!

**Hazard Statements**

Causes skin irritation.  
 Causes serious eye irritation.  
 Suspected of damaging fertility or the unborn child.  
 May cause drowsiness or dizziness.  
 May cause damage to organs through prolonged or repeated exposure.  
 May be fatal if swallowed and enters airways.  
 Highly flammable liquid and vapor.  
 Very toxic to aquatic life.  
 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
 No smoking. Keep cool.  
 Ground and bond container and receiving equipment.

IF ON SKIN: Take off all contaminated clothing and rinse skin with water.  
 Avoid release to the environment. Collect spillage.  
 Avoid breathing vapors. Use in a well-ventilated area.  
 IF INHALED: Call a doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing.  
 Do not breathe vapors. Get medical attention if you feel unwell.  
 IF SWALLOWED: Call a doctor if you feel unwell. Do NOT induce vomiting.  
 IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash skin with plenty of water. If skin irritation occurs: Get medical attention.

## Potential Health Effects

Principal Routes of Exposure

Inhalation, skin absorption, eye contact

Acute Effects

Eye:	Contact with eyes may cause irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling and eye damage.
Skin:	May cause skin irritation and/or dermatitis. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of skin.
Inhalation:	Breathing high concentrations of vapors may cause irritation of the nose and throat or signs of nervous system depression (e.g., headache, nausea, drowsiness, dizziness, vomiting, loss of coordination and fatigue)
Ingestion:	Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression

Chronic Effects

Avoid repeated exposure. May cause blood damage. Repeated contact may cause allergic reactions in very susceptible persons.

Aggravated Medical Conditions

Pre-existing eye, skin or respiratory disorders may be aggravated by exposure to this product.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Designation**
**CAS No.**
**% by Weight**

Acetone	67-64-1	22 - 40%
Hexane	110-54-3	22 - 40%
Heptane	142-82-5	5 - 15%
Toluene	108-88-3	5 - 15%

Any remaining ingredients (to comprise 100% of the product) should be considered a proprietary blend of non-hazardous substances, or materials below threshold reporting limits.

## SECTION 4: FIRST AID MEASURES

**General Advice**

Show this safety data sheet to the doctor in attendance

**Eyes**

Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for

<b>Skin</b>	thorough irrigation. If irritation persists, get immediate medical attention.
<b>Inhalation</b>	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash affected areas thoroughly with mild soap. If skin irritation persists, get immediate medical attention.
<b>Ingestion</b>	Move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen and get immediate medical attention.
<b>Ingestion</b>	Do not induce vomiting seek immediate medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.
<b>Notes to Physician</b>	Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Carbon dioxide, dry chemicals, foam. Water may be helpful in keeping adjacent containers cool; avoid spreading the liquid with water used for cooling. Water-based sprinkler systems may help contain larger fires.
<b>Special Protective Equipment and firefighting procedures</b>	Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the chemical</b>	Closed containers may rupture if exposed to fire or extreme heat. May produce toxic fumes if burning.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Remove all sources of ignition.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
<b>Methods for Clean-up</b>	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.
<b>Other Information</b>	None known.

## SECTION 7: HANDLING & STORAGE

<b>Handling</b>	Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from extremes of heat or cold. Keep in properly labeled containers.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Note: Any items listed in the above with workplace control parameters which are not listed in section 3 are below threshold reporting values.

REL - Recommended Exposure Limits



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TLV - Threshold Limit Value

## Exposure Limits

Components with workplace control parameters:

Hazardous Components	OSHA PEL	ACGIH TLV
Acetone	1000	250
Hexane	500	50
Heptane	500	400
Toluene	200	20

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

## Personal Protective Equipment

**Eyes/Face**

Safety goggles or glasses, or full face shield.

**Skin**

Protective gloves and impervious clothing. Consult the glove/clothing manufacturer for proper selection of materials.

**Respiratory**

In operations where exposure limits are exceeded, use a NIOSH-approved respirator that has been selected by a technically qualified person for the specific work conditions.

**Hygiene Practices**

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Red liquid.	<b>Upper Flammability/Explosive Limit</b>	9.22
<b>Oxidizing Properties</b>	No Data Available	<b>Lower Flammability/Explosive Limit</b>	1.66
<b>Odor</b>	Solvent odor.	<b>Vapor Pressure mm Hg</b>	Not available
<b>Odor Threshold</b>	No Data Available	<b>Vapor Density</b>	Heavier than air
<b>pH Value</b>	No Data Available	<b>Bulk Density (lb/gal)</b>	6.82
<b>Melting Point / Freezing Point</b>	No Data Available	<b>VOC Content (g/L)</b>	390
<b>Boiling Point</b>	133.0 °F [56.1 °C]	<b>VOC Less Water &amp; Exempts (g/L)</b>	546
<b>Non-Volatile (wt%)</b>	24.74	<b>Specific Gravity (g/l)</b>	0.819
<b>Flash Point</b>	-20.0 °F [-28.9 °C]	<b>Auto-Ignition Temperature</b>	No Data Available
<b>Explosive Properties</b>	No Data Available	<b>Decomposition Temperature</b>	No Data Available
<b>Evaporation Rate</b>	Faster than nBuAc	<b>Partition Coefficient</b>	No Data Available

<b>Flammability (solids)</b>	No Data Available	<b>Viscosity</b>	No Data Available
<b>Solubility in Water</b>	Insoluble		

## SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions. Hazardous polymerization does not occur.
<b>Possibility of Hazardous Reactions</b>	None under normal conditions of use.
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces, static electricity and sources of ignition. Avoid extremes of heat or cold.
<b>Materials to Avoid</b>	Incompatible with strong acids and bases, alkali metals, halogens, and strong oxidizing agents.
<b>Hazardous Decomposition</b>	Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide, carbon dioxide, smoke, and other unidentified organic compounds may be formed during combustion.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Numerical Measures of Toxicity for Individual Components

#### Likely Routes of Exposure

Inhalation, skin absorption, eye contact.

<b>Acute Toxicity</b>	Oral: No data; Skin: No data; Inhalation: No data	<b>Sensitization</b>	Respiratory: No data; Skin: No data
<b>Irritation</b>	Skin: Category 2	<b>Mutagenicity</b>	No data
<b>Reproductive Toxicity</b>	Category 2	<b>Aspiration Hazards</b>	Category 1
<b>Specific Target Organ Toxicity - Single Exposure</b>			Category 3
<b>Specific Target Organ Toxicity - Repeated Exposure</b>			Category 2

#### Chronic Toxicity / Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen. If no ingredients are listed below, then there are no known classifications.

Component	IARC	NTP	OSHA
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## SECTION 12: ECOLOGICAL INFORMATION

The information and data for components are listed individually for areas of ecological consideration below.

<b>Aquatic Toxicity</b>	Acute and prolonged toxicity to fish:	No Data Available
	Acute toxicity to aquatic invertebrates:	No Data Available

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Environmental fate and pathways:

No Data Available

**Persistence and Degradability**

No Data Available

**Mobility in Soil**

No Data Available

**Bioaccumulative Potential**

No Data Available

**Other Adverse Effects**

No Data Available

## SECTION 13: DISPOSAL CONSIDERATION

**Waste Disposal Method**

Dispose of in accordance with all applicable local, state, and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## SECTION 14: TRANSPORT INFORMATION

The shipping classification in this section is meant as a guide to overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under 49 CFR, IATA and IMDG to assure regulatory compliance.

### REGULATION

### DESCRIPTION

DOT

Proper Shipping Name

ADHESIVES

Technical Name

Not available

Hazard Class

3

UN Number

UN1133

Packing Group

PGII

Placards



ICAO / IATA

No Data Available

IMDG / IMO

No Data Available

## SECTION 15: REGULATORY INFORMATION

<b>US TSCA</b>	Yes All components are listed or exempt.
<b>Canada DSL</b>	Yes All components are listed or exempt.
<b>OSHA Regulatory Status</b>	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
<b>SARA 313</b>	Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Designation	CAS Number	Weight %
Hexane	110-54-3	22 - 40%
Toluene	108-88-3	5 - 15%

### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)

Chemical Designation	CAS Number	Weight %
Hexane	110-54-3	22 - 40%
Toluene	108-88-3	5 - 15%

### State Regulations

#### California Prop. 65

This product contains one or more chemicals known to the state of California to cause cancer and/or reproductive harm. Unless chemical names are listed below, these chemicals are present only in trace amounts. [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Chemical Name	CAS Number
Hexane	110-54-3
Toluene	108-88-3
Ethylbenzene	100-41-4
Naphthalene	90-20-3

## SECTION 16: OTHER INFORMATION

**NFPA is a Health, Flammability and Reactivity rating: 230B**

4 SEVERE HAZARD, 3 SERIOUS HAZARD, 2 MODERATE HAZARD, 1 SLIGHT HAZARD, 0 MINIMAL HAZARD, \* Chronic Hazard



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## DISCLAIMER

The above Information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy his self that the product is entirely suitable for his purposes.

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**END OF SAFETY DATA SHEET**

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