

Safety Data Sheet



Description: R-27704

Date Issued

Page 1 of 7
05/20/2022

SECTION 1: IDENTIFICATION

Manufacturer Hanna Rubber Company

Address 908 West 25th Street
Kansas City, MO 64108

Information Telephone Number 816-221-9600

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 Long-term: Category 2

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.
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 breathing vapors. Use in a well-ventilated area.

Safety Data Sheet

Description:

R-27704

Date Issued

Page 2 of 7

09/29/2020

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

Hexane	110-54-3	35 - 60%
Acetone	67-64-1	22 - 40%
Toluene	108-88-3	12 - 25%

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 thorough irrigation. If irritation persists, get immediate medical attention.

Skin

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.

Inhalation

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.

Safety Data Sheet

Description:

R-27704

Date Issued

Page 3 of 7
09/29/2020

Ingestion Do not induce vomiting seek immediate medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

Notes to Physician Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media 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.

Special Protective Equipment and firefighting procedures Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific hazards arising from the chemical Closed containers may rupture if exposed to fire or extreme heat. May produce toxic fumes if burning.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions 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.

Methods for Clean-up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Other Information None known.

SECTION 7: HANDLING & STORAGE

Handling 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.

Storage 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
TLV - Threshold Limit Value

Exposure Limits

Components with workplace control parameters:

Hazardous Components

OSHA PEL

ACGIH TLV

(R-27704)

Safety Data Sheet

Description:

R-27704

Date Issued

Page 4 of 7
09/29/2020

Hexane	500	50
Acetone	1000	250
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

Appearance	Yellow liquid.	Upper Flammability/Explosive Limit	9.28
Oxidizing Properties	No Data Available	Lower Flammability/Explosive Limit	1.67
Odor	Solvent odor.	Vapor Pressure mm Hg	Not available
Odor Threshold	No Data Available	Vapor Density	Heavier than air
pH Value	No Data Available	Bulk Density (lb/gal)	6.67
Melting Point / Freezing Point	No Data Available	VOC Content (g/L)	412
Boiling Point	133.0 °F [56.1 °C]	VOC Less Water & Exempts (g/L)	577
Flash Point	-20.0 °F [-28.9 °C]	Specific Gravity (g/l)	0.801
Explosive Properties	No Data Available	Auto-Ignition Temperature	No Data Available
Evaporation Rate	Faster than nBuAc	Decomposition Temperature	No Data Available
Flammability (solids)	No Data Available	Partition Coefficient	No Data Available
Solubility in Water	Insoluble	Viscosity	No Data Available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions. Hazardous polymerization does not occur.

(R-27704

Safety Data Sheet

Description:

R-27704

Date Issued

Page 5 of 7
09/29/2020

Possibility of Hazardous Reactions None under normal conditions of use.

Conditions to Avoid Keep away from open flames, hot surfaces, static electricity and sources of ignition. Avoid extremes of heat or cold.

Materials to Avoid Incompatible with strong acids and bases, alkali metals, halogens, and strong oxidizing agents.

Hazardous Decomposition 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.

Acute Toxicity Oral: No data; Skin: No data; Inhalation: No data **Sensitization** Respiratory: No data; Skin: No data

Irritation Skin: Category 2 **Mutagenicity** No data

Reproductive Toxicity Category 2 **Aspiration Hazards** Category 1

Specific Target Organ Toxicity - Single Exposure Category 3

Specific Target Organ Toxicity - Repeated Exposure 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

SECTION 12: ECOLOGICAL INFORMATION

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

Aquatic Toxicity Acute and prolonged toxicity to fish: No Data Available
Acute toxicity to aquatic invertebrates: No Data Available
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

(R-27704 (V4564))

Safety Data Sheet

Description: R-27704

Date Issued
Page 6 of 7
09/29/2020

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

US TSCA Yes All components are listed or exempt.

Canada DSL Yes All components are listed or exempt.

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

SARA 313 Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of R-27704 (V4564)

Safety Data Sheet

Description:

R-27704

Date Issued

Page 7 of 7
09/29/2020

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	35 - 60%
Toluene	108-88-3	12 - 25%

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

Chemical Designation	CAS Number	Weight %
Hexane	110-54-3	35 - 60%
Toluene	108-88-3	12 - 25%

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

Chemical Name	CAS Number
Hexane	110-54-3
Toluene	108-88-3

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.

***** END OF SAFETY DATA SHEET *****