

# SAFETY DATA SHEET

Issue Date: January 1, 2021

## LUMBER LOCK Subfloor & Construction Adhesive

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** and **GHS product identifier**: LUMBER LOCK Subfloor & Construction Adhesive

**MANUFACTURER**

Katabatic Manufacturing Corp  
614-1641 Lonsdale Ave  
North Vancouver, BC V7M 2J5  
**Contact Product Stewardship**: 1-855-962-1583  
**Email for SDS**: [info@KMcorp.com](mailto:info@KMcorp.com)  
**SDS available online**: [www.KMcorp.com](http://www.KMcorp.com)

**IN CASE OF EMERGENCY: 24 HR. EMERGENCY TELEPHONE NUMBERS:**

CHEMTREC: 1-800-424-9300 or 1-703-527-3887

**Chemical Family**: Adhesives

**Physical state**: Liquid

**CAS #**: Mixture

**Product code**: E62

**Revision Date**: January 1, 2021

**Restriction of use**: None identified

### 2. HAZARDS IDENTIFICATION

**OSHA/HCS status**: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Classification of the substance or mixture:**

FLAMMABLE LIQUIDS - Category 2

SKIN IRRITATION - Category 2

TOXIC TO REPRODUCTION - Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -Category 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

**GHS label Hazard pictograms:**



**Signal word**: Danger

**Hazard statements:**

Causes skin irritation.

Highly flammable liquid and vapor.

May cause respiratory irritation. May cause drowsiness or dizziness.

Suspected of damaging fertility or the unborn child (inhalation).

Causes damage to organs through repeated or prolonged exposure (central nervous system (CNS), kidneys, liver) (inhalation).

**Precautionary statements:**

**Prevention:** Do not handle until all safety precautions have been read and understood. Obtain instructions before use. Wear protective clothing and gloves as well as protective eye or face protection. Avoid contact with skin and clothing. Wash thoroughly after handling. Prolonged or repeated contact may dry skin and cause irritation.

Keep away from heat, sparks, hot surfaces, open flame, and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures to prevent static discharges. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink, or smoke when using this product. Wash affected areas thoroughly after handling.

**Response:** IF EXPOSED OR CONCERNED: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take all contaminated clothing off immediately. Rinse skin with plenty of water. If skin irritation occurs, get medical advice or attention.

**Storage:** Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national, and international regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	WT %*	CAS number
Toluene	≥10 - ≤28	108-88-3
n-hexane	≥10 - ≤25	110-54-3

\*Ranges shown are to protect confidentiality or are due to batch variation. Exact percentages may vary.

There are no other known ingredients present in this product which are classified as hazardous to health or the environment in reportable concentrations in this section that are known to the supplier at this time.

### 4. FIRST AID MEASURES

**NECESSARY FIRST AID MEASURES DESCRIPTION**

**Inhalation:** If inhaled, remove affected person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If the affected person is not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband. If necessary, call a poison center or doctor.

**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes and seek medical attention.

**Skin contact:** Immediately wash skin thoroughly with soap and water. Remove contaminated clothing and shoes. Continue to rinse skin for at least 10 minutes. If symptoms develop, get medical attention. Wash clothing and shoes before reuse.

**Ingestion:** Seek medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel. Wash out mouth with water. Remove dentures if present. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

#### **MOST IMPORTANT ACUTE AND DELAYED SYMPTOMS AND EFFECTS**

##### **Acute:**

**Inhalation:** Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

**Eye contact:** This product irritates eyes upon contact.

**Skin contact:** Causes skin irritation and defatting to the skin.

**Ingestion:** Can cause central nervous system (CNS) depression.

##### **Over-exposure symptoms and signs:**

**Inhalation:** coughing, headache, drowsiness, fatigue, respiratory tract irritation, nausea or vomiting, dizziness, vertigo, and unconsciousness. Symptoms also include reduced fetal weight, increase in fetal deaths, and skeletal malformations.

**Eye contact:** irritation, watering, general redness, and pain.

**Skin contact:** redness, cracking, dryness, and irritation.

**Ingestion:** No specific data.

#### **INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY**

**Notes to physician:** Contact poison treatment expert immediately if large quantities have been ingested or inhaled. Treat symptomatically.

**Specific treatments:** No specific treatment.

**Protection for those providing first aid:** If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Suitable training is required for all providers of first aid. Please use caution and appropriate personal protective equipment when providing mouth-to-mouth resuscitation as it may be dangerous to the person providing aid.

For further toxicology information, please see Section 11.

## **5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Foam, dry chemical, carbon dioxide and/or water spray (fog).

**Unsuitable extinguishing media:** Do NOT use water jet.

**Specific chemical hazards:** Liquid and vapor are highly flammable. Runoff may create an explosion or fire hazard. When heated, container may burst with the risk of subsequent explosion(s). Vapors may form explosive mixtures with air.

**Special protective actions for firefighters:** If there is a fire, remove all persons from the area. Do not act without suitable training. Move containers from fire area if this can be done without risk. To keep containers cool, spray with water.

**Special protective equipment for firefighters:** Firefighters should wear a self-contained breathing apparatus with a full facepiece operated in positive pressure mode. Firefighters should wear appropriate protective equipment.

**Hazardous thermal decomposition products:** carbon dioxide and carbon monoxide.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommend in Section 8, isolate the hazard area, and deny entry to unnecessary and unprotected individuals.

**For non-emergency personnel:** Do not take action involving any personal risk or without suitable training. Evacuate surrounding vicinity and keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking, or flames in hazard area. Provide adequate ventilation and avoid breathing vapor or mist. Do not touch or walk through spilled material or runoff. Wear an appropriate respirator and put on appropriate personal protective equipment.

**For emergency responders:** Wear specialized clothing if required to deal with spillage. Review information above for non-emergency personnel.

### ENVIRONMENTAL PRECAUTIONS

As required by law, advise relevant authorities if the product has caused pollution to waterways, soil, air, or sewers. At all times, avoid material and runoff contact with waterways, soil, drains, and sewers.

### CONTAINMENT METHODS AND MATERIALS FOR CLEANING UP

**Large spill:** Stop leak if safe to do so. Move containers from area. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Use spark-proof tools and explosion-proof equipment. Prevent spillage from entering waterways, sewers, basements, or confined areas. Use noncombustible absorbent material such as sand or earth and place in container for disposal according to federal, state/provincial, and local government regulations (see Section 13). Use a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. See Section 1 for emergency contact information and Section 13 for waste disposal.

**Small spill:** Stop leak if safe to do so. Move containers from area. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Use spark-proof tools and explosion-proof equipment. Absorb spill with an inert dry material and place in an appropriate waste disposal container. Use a licensed waste disposal contractor.

## 7. HANDLING AND STORAGE

### SAFE HANDLING INSTRUCTIONS AND PRECAUTIONS

**Protective measures:** Wear personal protective equipment (see Section 8) including an appropriate respiration device when adequate ventilation is not available. Avoid exposure and obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid exposure during pregnancy. Do not get in eyes or on skin or clothing. Use only in areas with adequate ventilation - do not breathe vapor or mist. Do not ingest. Keep material in the original container. Store and use away from all ignition sources including open flame, sparks, and heat. Use explosion-proof electrical equipment and take caution against electrostatic discharges. Use only non-sparking tools. Empty product containers contain product residue and can be hazardous. Do not reuse container.

**General guidelines:** Do not eat, drink, or smoke where this material is used or stored. Personnel should wash hands and face before eating, drinking, and smoking after handling this material. If soiled, remove clothing and protective equipment before entering eating areas. See also Section 8 for additional information on personal hygiene measures.

**Safe storage:** For safe storage, store between -20°C (-4°F) and 42°C (107°F). Store in an area that is free of all ignition sources. Store in accordance with federal, state/provincial, and local regulations in a segregated and approved area. Protect from direct sunlight in a dry, cool, and well-ventilated area. Do not store near food, drink, or incompatible materials (see Section 10). Keep material separate from oxidizing materials and see Section 10 for incompatible materials prior to use and storage. Store locked up in original container keeping container tightly closed prior to use. If containers have been opened, reseal and store upright to avoid leakage and environmental pollution. Do not remove label or store unlabeled containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine proper exposure controls and personal protective equipment for each task performed and each area the task is performed in.

**OCCUPATIONAL EXPOSURE LIMITS:**

INGREDIENT NAME	EXPOSURE LIMITS
toluene	<p><b>OSHA PEL 1989 (United States, 3/1989)</b>                      TWA: 100 ppm 8 hours      TWA: 375 mg/m<sup>3</sup> 8 hours.                      STEL: 150 ppm 15 minutes      STEL: 560 mg/m<sup>3</sup> 15 minutes</p> <p><b>OSHA PEL Z2 (United States, 2/2013)</b>                      TWA: 200 ppm 8 hours                      CEIL: 300 ppm                      AMP: 500 ppm 10 minutes</p> <p><b>NIOSH REL (United States, 10/2016)</b>                      TWA: 100 ppm 10 hours      TWA: 375 mg/m<sup>3</sup> 10 hours                      STEL: 150 ppm 15 minutes      STEL: 560 mg/m<sup>3</sup> 15 minutes</p> <p><b>ACGIH TLV (United States, 3/2020)</b>                      TWA: 20 ppm 8 hours</p>
n-hexane	<p><b>OSHA PEL 1989 (United States, 3/1989)</b>                      TWA: 50 ppm 8 hours      TWA: 180 mg/m<sup>3</sup> 8 hours</p> <p><b>NIOSH REL (United States, 10/2016)</b>                      TWA: 50 ppm 10 hours      TWA: 180 mg/m<sup>3</sup> 10 hours</p> <p><b>ACGIH TLV (United States, 3/2020) - Absorbed through skin.</b>                      TWA: 50 ppm 8 hours</p> <p><b>OSHA PEL (United States, 5/2018)</b>                      TWA: 500 ppm 8 hours      TWA: 1800 mg/m<sup>3</sup> 8 hours</p>

**Engineering controls:** Always ensure adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to keep worker exposure to airborne contaminants below any recommended or regulated limits. Use explosion proof ventilation equipment. Use engineering controls to keep gas, vapor, and dust concentrations below any lower explosive limits.

**Environmental exposure controls:** Check emissions regularly to ensure compliance with federal, state/provincial, and local environmental protection laws. Engineering modifications, filters, and fume scrubbers may be necessary to reduce emissions to acceptable levels.

**PERSONAL PROTECTION**

**General hygiene:** Remove contaminated clothing and wash before reuse. Wash hands, arms, and face thoroughly after handling material, at the end of work, and before eating, drinking, smoking, or using the lavatory.

**Respiratory protection:** Use a respirator that meets the appropriate standard or certification for the work being performed and the potential exposure hazard. Ensure proper fitting of all respirators and training in accordance with a respiratory protection program.

**Eye/face protection:** Safety goggles or safety eyewear that meet approved standards should be worn. If contact with material is possible, wear chemical splash goggles. Eyewash stations and safety showers should be close to the workstation location.

**Body protection:** Personal protective equipment should be selected to protect workers based on the work being performed to minimize exposure to this product. Wear anti-static protective clothing including anti-static overalls, boots, and gloves.

**SKIN PROTECTION**

**Hand protection:** Chemical-resistant, impermeable gloves complying with an approved standard should be worn at all times when handling this product and should be replaced regularly to ensure the retention of their protective properties.

**Other skin protection:** Personal protective equipment, including appropriate footwear, should be worn to protect workers based on the work being performed to minimize exposure to this product. Additional skin protection measures may be required depending on the work being performed. Consult an approved expert to ensure specific exposure risks are minimized prior to handling this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Viscous liquid

**Color:** Tan

**Odor:** Solvent-like

**Odor threshold:** Not determined

**pH:** Not applicable.

**Vapor pressure:** Not determined

**Boiling point/range:** 67°C (153°F)

**Freezing point/range:** Not determined

**Melting point:** Not determined

**Flash point (closed cup):** -17.7°C (0.14°F)

**Evaporation rate:** Not determined

**Flammability (solid and vapor):** Flammable in the presence of open flame, spark, or static discharge.

**Flammable/explosive limits – lower:** Not determined

**Flammable/explosive limits – upper:** Not determined

**Auto-ignition temperature:** Not determined

**VOC (less water, less exempt solvents):** 399 g/l

**Volatility Vapor:** 30 to 35% (by weight)

**Density:** Not determined

**Relative density:** 1.15 to 1.20

**Solubility in water:** Not determined

**Partition coefficient: n- octanol/water:** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** Not determined

**Oxidizing properties:** Not determined

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions of storage and use.

**Reactivity:** Not available.

**Possibility of hazardous reactions:** Hazardous reactions will not occur under normal conditions of storage and use.

**Conditions to avoid:** Avoid heat, flames, sparks, and all possible sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

**Incompatible materials:** Oxidizing agents and materials.

**Hazardous decomposition products:** Hazardous decomposition products should not be produced under normal conditions of storage and use. Carbon dioxide, carbon monoxide, and irritating or toxic gases may be generated by thermal decomposition or combustion.

## 11. TOXICOLOGY INFORMATION

### ACUTE TOXICITY

Product/Ingredient name	Result	Species	Dose	Exposure
toluene	LC50 Inhalation Vapor	Rat	49 g/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	636 mg/kg	-
n-hexane	LC50 Inhalation Gas.	Rat	48000 ppm	4 hours
	LD50 Dermal	Rabbit	>3295 mg/kg	-
	LD50 Oral	Rat	15840 mg/kg	-

**IRRITATION/CORROSION**

Product/Ingredient name	Result	Species	Score	Exposure	Observation
toluene	Eyes - Mild irritant	Rabbit	-	0.5 minutes, 100mg	-
	Eyes - Mild irritant	Rabbit	-	870 ug	-
	Eyes - Severe irritant	Rabbit	-	24 hours, 2 mg	-
	Skin - Mild irritant	Pig	-	24 hours, 250 UI	-
	Skin - Mild irritant	Rabbit	-	435 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours, 20 mg	-
	Skin - Moderate irritant	Rabbit	-	500 mg	-
n-hexane	Eyes - Mild irritant	Rabbit	-	10 mg	-

**CONCLUSION/SUMMARY**

**Respiratory/Inhalation:** Irritates the nose, throat, and respiratory system. Exposure to high vapor concentrations can cause headaches, dizziness, drowsiness, and nausea and may lead to unconsciousness.

**Skin contact:** Prolonged or repeated skin contact can defat the skin and lead to irritation, cracking, and dermatitis.

**Eye contact:** Contact with eyes can cause severe irritation.

**Ingestion:** Ingestion can cause gastrointestinal irritation, vomiting, diarrhea, and nausea.

**Mutagenicity:** Not available

**Sensitization:** Not available

**Carcinogenicity:** Not available

**CLASSIFICATION**

Product/ingredient name	OSHA	IARC	NTP
toluene	-	3	-

**REPRODUCTIVE TOXICITY**

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
toluene	-	-	-	Rat	Inhalation	-

**Conclusion/Summary:** Reproductive toxicant - female

**Teratogenicity:** Not available.

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)**

Name	Category	Route of exposure	Target organs
LUMBER LOCK Subfloor & Construction Adhesive	Category 3	-	Respiratory tract irritation
toluene	Category 3	-	Narcotic effects
n-hexane	Category 3	-	Narcotic effects
	Category 3	-	Respiratory tract irritation

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)**

Name	Category	Route of exposure	Target organs
LUMBER LOCK Subfloor & Construction Adhesive	Category 1	Inhalation	Central nervous system (CNS), kidneys, liver
toluene	Category 2	-	Central nervous system (CNS)
n-hexane	Category 1	Inhalation	Peripheral nervous system

**ASPIRATION HAZARD**

Name	Result
toluene	ASPIRATION HAZARD – Category 1
n-hexane	ASPIRATION HAZARD – Category 1

**INFORMATION ON THE LIKELY ROUTES OF EXPOSURE**

**Anticipated routes of entry:** oral, dermal and inhalation

**POTENTIAL ACUTE HEALTH EFFECTS**

**Inhalation:** May cause respiratory irritation, drowsiness, or dizziness. Inhalation may cause central nervous system (CNS) depression.

**Eye contact:** This product irritates eyes upon contact.

**Skin contact:** Contact with this product causes skin irritation and may cause the skin to defat.

**Ingestion:** Ingesting this product can cause central nervous system (CNS) depression.

**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS**

**Inhalation:** coughing, nausea or vomiting, irritation of the respiratory tract, headache, drowsiness, fatigue, dizziness or vertigo, unconsciousness, reduced fetal weight, increase in fetal deaths, and skeletal malformations.

**Eye contact:** pain, irritation, watering eyes, and redness of the eyes.

**Skin contact:** cracking, irritation, redness, and dry skin.

**Ingestion:** No specific data available.

**POTENTIAL IMMEDIATE, DELAYED, OR CHRONIC EFFECTS OF EXPOSURE**

**Short term exposure immediate effects:** Not available

**Short term exposure delayed effects:** Not available

**Long term exposure immediate effects:** Not available

**Long term exposure delayed effects:** Not available

**Chronic health effects:** Not available

**General:** Prolonged or repeated inhalation causes damage to organs. Prolonged or repeated skin contact can defat the skin and lead to redness, irritation, cracking, and dermatitis.

**Carcinogenicity:** No known significant effects or critical threats.

**Mutagenicity:** No known significant effects or critical threats.

**Teratogenicity:** Inhalation is suspected to damage the unborn child.

**Developmental effects:** No known significant effects or critical threats.

**Fertility effects:** Inhalation is suspected of damaging fertility.



**Reproductive toxicity:** This product contains toluene, a chemical known to the state of California to cause birth defects or other reproductive harm.

**Numerical acute toxicity estimates:** Not available

## 12. ECOLOGICAL INFORMATION

### TOXICITY

This product contains components that will normally float on water. These components may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

Product/ingredient name	Result	Species	Exposure
n-hexane	Acute EC50 0.89 mg/l	Algae	96 hours
	Acute EC50 3.9 mg/l	Crustaceans	48 hours
	Acute LC50 2500 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 4.9 mg/l	Crustaceans	21 days
	Chronic NOEC 2.8 mg/l	Fish - rainbow trout	28 days
toluene	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 6000 µg/l Freshwater	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 5500 µg/l Fresh water	Fish – Oncorhynchus kisutch – Fry	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Daphnia – Daphnia magna	21 days

### PERSISTENCE AND DEGRADABILITY

Product/ingredient name	Photolysis	Aquatic half-life	Biodegradability
n-hexane	-	-	Readily
toluene	-	-	Readily

### BIOACCUMULATIVE POTENTIAL

Product/ingredient name	BCF	LogP <sub>ow</sub>	Potential
n-hexane	501.187	4	high
toluene	90	2.73	low

### MOBILITY IN SOIL

**Soil/water partition coefficient (K<sub>oc</sub>):** Not determined

**Other adverse effects:** No known significant effects or critical threats.








## 13. DISPOSAL CONSIDERATIONS

**Disposal method:** Dispose of in accordance with all local, state/provincial, and federal regulations. Dispose of in accordance with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. The generation of waste should be avoided or minimized. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. When available, packaging should be recycled. Landfill should only be considered when recycling is not feasible. Empty containers or liners may retain product residue and product residue may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers. Do not allow spilled material and runoff to make contact with soil, waterways, drains, or sewers.

UNITED STATES - RCRA TOXIC HAZARDOUS WASTE "U" LIST

Ingredient	CAS #	Status	Reference number
Toluene; Benzene, methyl-	108-88-3	Listed	U220

**14. TRANSPORT INFORMATION**

	DOT Classification	TDG Classification	Mexico Classification	Canada Classification	ADR/RID	IMDG	IATA
UN number	UN1133	UN1133	UN1133	UN1133	UN1133	UN1133	UN1133
Transport hazard class or division	3 	3 	3 	3 	3 	3 	3 
UN proper shipping name	Adhesives (toluene, n-hexane)	Adhesives (toluene, n-hexane)	Adhesives (toluene, n-hexane)	Adhesives (toluene, n-hexane)	Adhesives (toluene, n-hexane)	Adhesives (toluene, n-hexane)	Adhesives (toluene, n-hexane)
Packing group	III	III	III	III	III	III	III
Environmental hazards	No	No	No	No	No	No	No

**General:** Always transport in closed, upright containers. Persons transporting the product must be trained in the event of an accident or spillage. This includes transport within the user's premises.

**DOT Classification:** Reportable quantity: 6550.5 lbs. / 2973.9 kg [677.26 gal / 2563.7 L]. Package sizes shipped in quantities less than the reportable quantity are not subject to the reportable quantity (RQ) transportation requirements. Remarks: Limited quantity.

**TDG Classification:** Product classified as per Transportation of Dangerous Goods Regulations 2.18-2.19 (Class 3). Remarks: Limited quantity

**Mexico Classification:** Remarks: Limited quantity

**ADR/RID:** Tunnel code (D/E)

**IMDG:** Remarks: Limited quantity

**15. REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS**

**SARA 302/304 Composition/information on ingredients:** No products were found

**SARA 304 RQ:** Not applicable.

**SARA 311/312 Classification:**

**FLAMMABLE LIQUIDS** - Category 2

**SKIN IRRITATION** - Category 2

**TOXIC TO REPRODUCTION** - Category 2

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)** (Respiratory tract irritation) - Category 3

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)** (Narcotic effects) - Category 3

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)** - Category 1

**HNOC** - Defatting irritant

**INFORMATION AND COMPOSITION OF INGREDIENTS**

Name	%	Classification
toluene	≥10 - ≤28	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2B TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1
n-hexane	≥10 - ≤25	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)(Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)(Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 ASPIRATION HAZARD - Category 1

**SARA 313**

SARA 313 notifications must be included with the SDS including any copies or redistributions.

	Product name	CAS number	%
Form R – Reporting requirements	toluene	108-88-3	≥10 - ≤28
	n-hexane	110-54-3	≥10 - ≤25
Supplier notification	toluene	108-88-3	≥10 - ≤28
	n-hexane	110-54-3	≥10 - ≤25

**STATE REGULATIONS**


**New York listed components:** hexane, toluene

**New Jersey listed components:** n-hexane, hexane, toluene, benzene, methyl-

**Massachusetts listed components:** hexane, n-hexane, toluene, methylbenzene

**Pennsylvania listed components:** hexane, benzene, methyl-

**California Prop. 65:**

 **WARNING:** This product can expose you to chemicals including toluene and n-hexane, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Ingredient name	No significant risk level	Maximum acceptable dosage level
toluene	-	Yes
n-hexane	-	Yes

**INTERNATIONAL REGULATIONS**

**Montreal Protocol:** not listed

**Chemical Weapon Convention List Schedules I, II & III Chemicals:** not listed

**Stockholm Convention on Persistent Organic Pollutants:** not listed

**UNECE Aarhus Protocol on POPs and Heavy Metals:** not listed

**Inventory list:**

**China:** All components are listed or exempted.

**Canada DSL/NDSL Status:** All components are listed or are exempt from listing on the Canadian Domestic Substances List.

**United States TSCA 8(b) inventory:** All components are listed or exempted from listing on the Toxic Substances Control Act Inventory.

## 16. OTHER INFORMATION

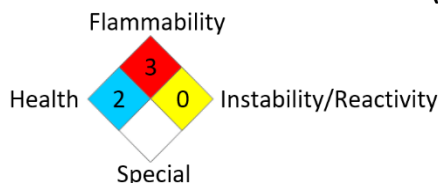
### HAZARDOUS MATERIAL INFORMATION SYSTEM (USA)

Health	*	3
Flammability		3
Physical hazards		0

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### NATIONAL FIRE PROTECTION ASSOCIATION (USA)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### PROCEDURE USED FOR CLASSIFICATION

Classification	Justification
FLAMMABLE LIQUIDS - Category 2	Expert judgment
SKIN IRRITATION - Category 2	Expert judgment
TOXIC TO REPRODUCTION - Category 2	Expert judgment
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Expert judgment
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	Expert judgment
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Expert judgment

**Date of printing:** January 1, 2021

**Date of issue/Date of revision:** January 1, 2021

**Date of previous issue Version:** No previous issue or version

**Version:** 1

**Key to abbreviations:**

**SDS** = Safety Data Sheet

**BCF** = Bioconcentration Factor

**GHS** = Globally Harmonized System of Classification and Labelling of Chemicals

**IATA** = International Air Transport Association

**IMDG** = International Maritime Dangerous Goods

**LogP<sub>ow</sub>** = logarithm of the octanol/water partition coefficient

**UN** = United Nations

**References:** Not available

**Notice to reader: Information contained in this SDS is accurate to the best of our knowledge.**

**Katabatic Manufacturing Corporation, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained in this SDS. All materials may present unknown hazards or threats and should be used with caution.**

**Katabatic Manufacturing Corporation cannot and does not guarantee that these are the only hazards that exist. Suitability of this material is the sole responsibility of the user.**