Safety Data Sheet: LIQUID TAPE

Supercedes Date 03/31/2011 **Issuing Date** 07/02/2019

1. PRODUCT AND COMPANY IDENTIFICATION

Formula Code LIQUID TAPE
Recommended use Electrical wire Insulation
Information on Manufacturer
Partsmaster, Div of NCH Corp.
P.O. Box 655326
Dallas, TX 75265-5326

Product Code 67024820
Chemical nature Mixture
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Black **Physical state** Liquid **Odor** Characteristic

GHS Classification

Physical Hazards

Flammable liquids	Category 2

Health Hazard

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Specific target organ systemic toxicity (single exposure)	Category 3

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H225 - Highly flammable liquid and vapor
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H335 - May cause respiratory irritation

Precautionary Statements
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical, ventilating and lighting equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing vapor, mist or spray
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P280 - Wear protective gloves, protective clothing and eye protection.
P271 - Use in a well-ventilated area.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs, get medical attention.
P362 - Take off contaminated clothing and wash before reuse.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a physician if unwell.
P403 + P235 - Store in a well-ventilated place. Keep cool
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Xylenes (o-, m-, p- isomers)	1330-20-7	30-60

Methyl ethyl ketone	78-93-3	10-30
Propanol, oxybis-, dibenzoate	27138-31-4	5-10
Acetone	67-64-1	3-7
Talc, respirable dust	14807-96-6	1-5
Carbon Black	1333-86-4	0.1-1.0

*The exact percentage (concentration) of composition has been withheld as a trade secret

*Carbon black has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation.
This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form.

4. FIRST AID MEASURES

General advice Avoid breathing vapor, mist or spray. Avoid contact with skin, eyes and clothing.
Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If symptoms persist, call a physician.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Rinse mouth. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point 44.96 °F / 7 °C **Method** Seta closed cup
Upper: 12.8 **Lower:** 0.7
Suitable Extinguishing Media
Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
Flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA	**Health** 2	**Flammability** 3	**Instability** 0
HMIS -	**Health** 2	**Flammability** 3	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Remove all sources of ignition. Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Remove all sources of ignition. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up Keep in suitable and closed containers for disposal.
Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Keep away from open flames, hot surfaces and sources of ignition.
Storage Store in original container. Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature	**Minimum**	No information available		**Maximum**	No information available
Storage Conditions	**Indoor**	X	**Outdoor**	**Heated**	**Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Xylenes (o-, m-, p- isomers)	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m^3	No data available
Methyl ethyl ketone	TWA: 200 ppm STEL: 300 ppm	TWA: 200 ppm TWA: 590 mg/m^3	3000 ppm STEL 300 ppm

			STEL 885 mg/m^3 TWA: 200 ppm TWA: 590 mg/m^3
Acetone	TWA: 250 ppm STEL: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m^3	2500 ppm TWA: 250 ppm TWA: 590 mg/m^3
Talc, respirable dust	TWA: 2 mg/m^3 particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	No data available	1000 mg/m^3 TWA: 2 mg/m^3 respirable dust
Carbon Black	TWA: 3 mg/m^3 inhalable fraction	TWA: 3.5 mg/m^3	1750 mg/m^3 TWA: 3.5 mg/m^3 TWA: 0.1 mg/m^3

Engineering Measures Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.

Skin Protection Wear suitable protective clothing, Neoprene or nitrile rubber gloves should be worn.

Respiratory Protection In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use NIOSH approved respiratory protection.

General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Viscosity**	2000 cP
Color	Black	**Odor**	Characteristic
Odor Threshold	Not applicable	**Appearance**	Textured black paste
pH	Not applicable	**Specific Gravity**	0.96
Evaporation Rate	>1 (ether = 1)	**Percent Volatile (Volume)**	No information available
VOC Content (%)	No information available.	**VOC Content (g/L)**	620.7
Vapor pressure	12.6 kPa @ 20°C	**Vapor Density**	Heavier than air
Solubility	Insoluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	179.6 °F / 82 °C	**Flammability (solid, gas)**	No data available
Flash Point	44.96 °F / 7 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Upper: 12.8 **Lower:** 0.7			

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.

Conditions to Avoid Extremes of temperature and direct sunlight, Keep away from open flames, hot surfaces, and sources of ignition.

Incompatible Products Amines, Strong acids, Strong bases, Strong oxidizing agents, Alkalis, Aldehydes, Ammonia, Reducing agents, Peroxides, Nitric acid.

Decomposition Temperature No data available

Hazardous Decomposition Products Carbon dioxide (CO2), Hydrogen chloride gas, Hydrocarbons.

Possibility of Hazardous Reactions Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 No information available

Dermal LD50 No information available

Inhalation LC50

Gas No information available

Mist No information available

Vapor No information available

Principle Route of Exposure Skin contact, Inhalation, Ingestion, Eye contact.

Primary Routes of Entry Skin Absorption, Skin contact.

Acute Effects:

Eyes Causes serious eye irritation.

Skin Causes skin irritation.

Inhalation Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity Chronic inhalation of solvents like Xylene have caused heartbeat irregularity, heartbeat increase, and permanent central and peripheral nervous system damage, resulting in decreased learning ability, loss of memory, personality changes, and disturbances in gait. A condition known as "Painter's Syndrome" can occur causing a loss of sensation in the arms and hands (peripheral neuropathy). Prolonged or repeated exposure may cause cardiac sensitization.

Target Organ Effects: Central nervous system, Central Vascular System, Respiratory system, Blood-Forming Organs, Kidney, Liver, Eyes, Skin.

Aggravated Medical Conditions Neurological disorders, Central nervous system.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Xylenes (o-, m-, p- isomers) 1330-20-7	= 4300 mg/kg (Rat)	> 1700 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h > 5.04 mg/L (Rat) 4 h	No data available	No data available
Methyl ethyl ketone 78-93-3	= 2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h	No data available	No data available
Propanol, oxybis-, dibenzoate 27138-31-4	= 3914 mg/kg (Rat)	no data available	No data available	No data available	No data available
Acetone 67-64-1	No data available	no data available	= 50100 mg/m^3 (Rat) 8 h	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Methyl ethyl ketone 78-93-3	No data available	No data available	No data available	No data available	Skin; Central nervous system; Eyes; Respiratory system
Acetone 67-64-1	No data available	No data available	No data available	No data available	Skin; Central nervous system; Eyes; Respiratory system
Talc, respirable dust 14807-96-6	No data available	No data available	No data available	No data available	Eyes; Respiratory system
Carbon Black 1333-86-4	No data available	No data available	No data available	No data available	Eyes; Respiratory system

Carcinogenicity

Chemical name	ACGIH	IARC	NTP	OSHA	Other
Xylenes (o-, m-, p- isomers) 1330-20-7	A4	Group 3	Not applicable	Not applicable	Not applicable
Acetone 67-64-1	A4	Not applicable	Not applicable	Not applicable	Not applicable
Talc, respirable dust 14807-96-6	Not applicable	Group 3	Not applicable	Not applicable	Not applicable
Carbon Black 1333-86-4	A3	Group 2B	Not applicable	X	Not applicable

This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficien
Xylenes (o-, m-, p- isomers)	EC50 = 11 mg/L Pseudokirchneriella subcapitata 72 h	LC50 = 13.4 mg/L Pimephales promelas 96 h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96 h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96 h LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96 h LC50 = 19 mg/L Lepomis macrochirus 96 h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96 h LC50 23.53 - 29.97 mg/L Pimephales promelas 96 h LC50 = 780 mg/L Cyprinus carpio 96 h LC50 > 780 mg/L Cyprinus carpio 96 h	EC50 = 0.0084 mg/L 24 h	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50	3.15

		LC50 30.26 - 40.75 mg/L Poecilia reticulata 96 h			
Methyl ethyl ketone	No information available.	LC50 3130 - 3320 mg/L Pimephales promelas 96 h	EC50 = 3403 mg/L 30 min EC50 = 3426 mg/L 5 min	520: 48 h Daphnia magna mg/L EC50 5091: 48 h Daphnia magna mg/L EC50 4025 - 6440: 48 h Daphnia magna mg/L EC50 Static	0.29
Acetone	No information available.	LC50 4.74 - 6.33 mL/L Oncorhynchus mykiss 96 h LC50 6210 - 8120 mg/L Pimephales promelas 96 h LC50 = 8300 mg/L Lepomis macrochirus 96 h	EC50 = 14500 mg/L 15 min	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50	-0.24
Talc, respirable dust	No information available.	LC50 > 100 g/L Brachydanio rerio 96 h	No information available	No information available.	N/A

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT
- **Proper Shipping Name** Flammable liquids, n.o.s.
- **Hazard Class** 3
- **UN-No** UN1993
- **Packing Group** II
- **Description** UN1993, Flammable liquids, n.o.s.(Acetone, Methyl ethyl ketone), 3 PG II

TDG
- **Proper shipping name** Flammable liquid, n.o.s.
- **Hazard Class** 3
- **UN-No** UN1993
- **Packing Group** II
- **Description** UN1993, Flammable liquids, n.o.s.(Acetone, Methyl ethyl ketone), 3 PG II

ICAO
- **UN-No** UN1993
- **Proper Shipping Name** Flammable liquid, n.o.s.
- **Hazard Class** 3
- **Packing Group** II
- **Shipping Description** UN1993, Flammable liquids, n.o.s.(Acetone, Methyl ethyl ketone), 3 PG II

IATA
- **UN-No** UN1993
- **Proper Shipping Name** Flammable liquid, n.o.s.
- **Hazard Class** 3
- **Packing Group** II
- **ERG-Code** 3H
- **Shipping Description** UN1993, Flammable liquids, n.o.s.(Acetone, Methyl ethyl ketone), 3 PG II

IMDG/IMO
- **UN proper shipping name** Flammable liquid, n.o.s.
- **Hazard Class** 3
- **UN Number** UN1993
- **Packing Group** II
- **EmS No.** F-E, S-E
- **Description** UN1993, Flammable liquids, n.o.s.(Acetone, Methyl ethyl ketone), 3 PG II (16°C c.c.)

15. REGULATORY INFORMATION

Inventories

TSCA Complies
DSL Complies
U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). 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 name	CAS No.	Weight-%	SARA 313 - Threshold Values
Xylenes (o-, m-, p- isomers)	1330-20-7	10-30	1.0

SARA 311/312 Hazardous Categorization
See Section 2

CERCLA

Chemical name	Hazardous Substances RQs	CERCLA EHS RQs
Xylenes (o-, m-, p- isomers)	100 lb	Not applicable
Methyl ethyl ketone	5000 lb	Not applicable
Acetone	5000 lb	Not applicable

16. OTHER INFORMATION

Prepared By Kim Franklin
Supercedes Date 03/31/2011
Issuing Date 07/02/2019
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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