



### 13.2 Other disposal considerations

#### Uncleaned packaging

**Recommendation:** Disposal must be made in accordance with local, state and federal regulations.

**Recommended cleansing agent:** Water, if necessary with cleansing agents.

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## SECTION XIV – TRANSPORT INFORMATION

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	DOT (U.S.)	TDG (Canada)
UN-Number	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated
Transport Hazard Class(es)	Not Regulated	Not Regulated
Packing Group (if applicable)	Not Regulated	Not Regulated

### 14.1 Environmental hazards:

Not Available

### 14.2 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not available

### 14.3 Special precautions for user

Do not handle until all safety precautions have been read and understood.

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## SECTION XV – OTHER REGULATORY INFORMATION

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### 15.1 Safety, Health and Environmental Regulations/Legislations specific for the chemical

#### Canada

**WHMIS Classification:** Considered to be a D2B hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of Health Canada's Workplace Hazardous Material Information (WHMIS). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

### 15.2 US Federal Information

#### SARA 302/311/312/313 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, 311, 312 or 313.

**RCRA:** Not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR §261 et seq.

**CERCLA:** Not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR §302.



**Emergency Planning and Community Right to Know Act (SARA Title III):** Not an extremely hazardous substance under Section 302 and is not a toxic chemical subject to the requirements of Section 313.

**NTP:** Not classified

**OSHA Carcinogen:** Not listed.

**15.3 State Right to Know Laws**

**California Prop. 65 Components**

**WARNING:** This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**15.4 Global Inventories**

**DSL** All components of this product are on the Canadian DSL list.

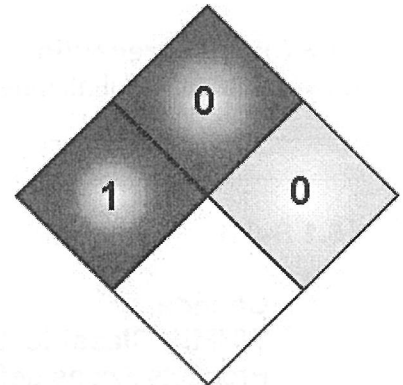
**TSCA No.:** All constituents are listed in the TSCA inventory.

**15.5 NFPA Ratings**

### NFPA Rating Explanation Guide

HEALTH HAZARD	FLAMMABILITY HAZARD
<p>4 = Can be lethal            3 = Can cause serious or permanent injury            2 = Can cause temporary incapacitation or residual injury            1 = Can cause significant irritation            0 = No hazard</p>	<p>4 = Will vaporize and readily burn at normal temperatures            3 = Can be ignited under almost all ambient temperatures            2 = Must be heated or high ambient temperature to burn            1 = Must be preheated before ignition can occur            0 = Will not burn</p>
<p>ALK = Alkaline            ACID = Acidic            COR = Corrosive            OX = Oxidizing            RA = Radioactive            W = Reacts violently or explosively with water            WOX = Reacts violently or explosively with water and oxidizing</p>	<p>4 = May explode at normal temperatures and pressures            3 = May explode at high temperature or shock            2 = Violent chemical change at high temperatures or pressures            1 = Normally stable. High temperatures make unstable            0 = Stable</p>
SPECIAL HAZARD	INSTABILITY HAZARD

This chart for reference only - For complete specifications consult the NFPA 704 Standard





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SECTION XVI – OTHER INFORMATION

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Last Updated: May 20, 2015

**NOTE:** The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

Prepared by

The QUIKRETE® Companies

Phone (800) 282-5828

[www.QUIKRETE.com](http://www.QUIKRETE.com)

**End of SDS**







# Material Safety Data Sheet

Liquid Polymer Tube Crack Repair Products

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**Akona Manufacturing, LLC.**  
2025 Centre Pointe Boulevard, Suite 300  
Mendota Heights, MN 55120-1221

**Emergency Telephone Number:**  
800-832-4357  
**Information Telephone Number:**  
651-905-8137

**Revision Date:**  
September 2011

## SECTION I: PRODUCT IDENTIFICATION

Product Types: **Liquid Polymer Tube Crack Repair Products**

**AKONA Product Name:**

Polyurethane Construction Sealant

Polyurethane Self-Leveling Crack Sealant

## SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	W/W	CAS No.	PEL (OSHA)	TLV (ACGIH)
Carbon Black	0-1%	1333-86-4	3.5 mg	3.5 mg
Stoddard Solvent	1-5%	8052-41-3	500 ppm/2,900 mg	100 ppm
Titanium Dioxide	3-7%	13463-67-7	25 mg	10 mg
Calcium Oxide	½-1½%	1305-78-8	5 mg	2 mg
Talc	3-7%	14807-96-6	20 m/cu. ft. of air	2 mg
Toluene-2, 6-diisocyanate.	½-1½%	53306-54-0/91-08-7	0.02 ppm/0.14 mg	0.005 ppm
Toluene-2, 4-diisocyanate	0-1%	53306-54-0/584-84-9	0.02 ppm/0.14 mg	0.005 ppm
Limestone		1317-65-3	5 mg	

## SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

**Physical Appearance:** Gray or Limestone color paste

**Miscibility w/ water:** None

**Solubility in Water:** 15°C (59°F) Insoluble

**Density:** 0.97-1.14 g/cm<sup>3</sup>

**Odor:** Slight odor

**Self Ignition:** N/A

**Auto Ignition:** N/A

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 81-84°C (178-184°F) ASTM D3278

**Extinguishing Agents:** Water spray, foam, carbon dioxide

**Hazards During Firefighting:** Nitrous gases, fumes/smoke, isocyanate, vapor

**Personal Protective Equipment:** Firefighters should wear self-contained breathing apparatus and turn-out gear.

**Further information:** Sealed containers should be protected against heat as this results in pressure build-up.

**Conditions to avoid:** moisture, prolonged exposure to extreme heat, sources of ignition

**Substances to avoid:** water, alcohols, strong bases, oxidizing agents, substances that react with isocyanates

## SECTION V: REACTIVITY DATA

**Decomposition products:** tolylidenediisocyanate, carbon monoxide, hydrogen cyanide, isocyanates, gases, oxides

**Hazardous reactions:** N/A (Chemically stable)

**Oxidizing properties:** N/A (Not an oxidizer)

Combustible. Harmful if inhaled. Sensitization can occur in some individuals, leading to asthma-like spasms of the bronchial tubes and difficulty breathing. Individuals with a history of respiratory illness, asthmatic conditions, eye damage or TDI sensitization should not be exposed to this product. TDI is included in the NTP annual report on carcinogens. Results from a TDI health study indicate that overexposure to a respiratory irritant resulting in lower respiratory tract symptoms could increase the risks of developing asthma-like reactions from subsequent TDI exposure. Contains material which can cause cancer.



# Material Safety Data Sheet

Liquid Polymer Tube Crack Repair Products

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## SECTION VI: HEALTH HAZARD DATA

**Irritation/corrosion:** Irritating to eyes, respiratory system, skin  
**Acute Toxicity:** May be harmful if inhaled.  
**Route(s) of Entry:** Routes of entry for solids and liquids include inhalation, ingestion, eye and skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.  
**Sensitization:** Sensitization after skin contact possible. The substance may cause sensitization of the respiratory tract  
**Repeated does toxicity:** Overexposure may cause CNS depression including headaches, dizziness, nausea, blackouts  
**Signs & symptoms of overexposure:** In sensitized individuals, sensitization reactions may be elicited by structurally similar substances. Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breath and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced lung function, which may be permanent. Substances with lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposure.

## SECTION VII: FIRST-AID MEASURES

**General Advice:** Remove contaminated clothing.  
**Skin Contact:** Wash affected areas thoroughly with soap and water. Seek medical attention if irritation persists.  
**Eye Contact:** Rinse immediately for at least 15 minutes with plenty of water. Seek medical attention immediately.  
**Ingestion:** Rinse mouth then drink plenty of water. Do not induce vomiting. Seek medical attention immediately.  
**Inhalation:** Move affected individual to fresh air and keep the person calm. Seek medical attention immediately.

## SECTION VIII: CONTROL MEASURES

### PERSONAL PROTECTIVE EQUIPMENT

**Eye protection:** Safety glasses with side-shields. Wear face shield if splashing hazard exists.  
**Hand protection:** Chemical resistant protective gloves. (Glove choice must be based on user's assessment of work-place hazards.)  
**Respiratory protection:** When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place.  
**Other Protective Equipment:** Facilities storing/utilizing this material should be equipped with an eyewash facility.  
**WASTE DISPOSAL:** Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with local authority regulations. Do not reuse empty containers.  
**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### HANDLING AND STORAGE

**Handling:** Avoid contact with the skin, eyes and clothing. Avoid excessive temperatures. Avoid humidity. Avoid all sources of ignition (heat, sparks, open flame, etc.) If exposed to fire, keep containers cool by spraying with water.  
**Storage:** Keep container tightly closed in a well-ventilated area with temperatures between 65-104°F. Protect against moisture.

### ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing/equipment.  
**Environmental Precautions:** Do not discharge into drains/surface waters/groundwater  
**Cleanup:** Ensure adequate ventilation. Avoid sources of ignition. For small amounts, sweep or shovel up, then dispose of absorbed material in accordance with regulations. For large amounts, contain spillage, then pick up with a suitable absorbent material, sweep or shovel up, and dispose of absorbed material in accordance with regulations.

**NOTE:** The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. Before using any product, read its label.

# SAFETY DATA SHEET

TECH RUB-O-MATIC



## Section 1. Identification

GHS product identifier : TECH RUB-O-MATIC  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Tech International, 200 East Coshocton Street, Johnstown, Ohio 43031, 740-967-9015  
Manufacturer : Tech International, 200 East Coshocton Street, Johnstown, Ohio 43031, 740-967-9015, CHEMTREC 1-800-424-9300  
Distributor : Tech International, 200 East Coshocton Street, Johnstown, Ohio 43031, 740-967-9015  
Emergency telephone number (with hours of operation) : Chemtrec 1-800-424-9300 (24hrs)  
CHEMTREC Brazil (Rio De Janeiro): +(55)-2139581449  
CHEMTREC Mexico: 01-800-681-9531  
CHEMTREC Russia: 8-800-100-6346

## Section 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  
ACUTE TOXICITY: INHALATION - Category 4  
Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 100%

### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Highly flammable liquid and vapor.  
Harmful if inhaled.

### Precautionary statements

Prevention : Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Take precautionary measures against static discharge. Keep container tightly closed.  
Response : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
Storage : Store in a well-ventilated place. Keep cool.  
Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : None known.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
Other means of identification : Not available.

### CAS number/other identifiers

CAS number : Not applicable.  
Product code : 704, 704G, 704-5G, 704-55G

Ingredient name	%	CAS number
solvent naphtha (petroleum blend), light	50 - 100	64742-89-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If 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. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. 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.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. 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.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : Harmful if inhaled.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.



## Section 4. First aid measures

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.
- Specific hazards arising from the chemical** : Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
- Hazardous thermal decomposition products** : No specific data.
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
solvent naphtha (petroleum blend), light	ACGIH TLV (United States). TWA: 400 ppm

- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 8. Exposure controls/personal protection

- Eyeface protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Clear. [Light]
- Odor** : Solvent. [Strong]
- Odor threshold** : Not available.
- pH** : Not applicable.
- Melting point** :  $<-50^{\circ}\text{C}$  ( $<-58^{\circ}\text{F}$ )
- Boiling point** :  $93.3$  to  $115.6^{\circ}\text{C}$  ( $199.9$  to  $240.1^{\circ}\text{F}$ )
- Flash point** : Closed cup:  $-7^{\circ}\text{C}$  ( $19.4^{\circ}\text{F}$ ) [Tagliabue.]
- Burning time** : Not applicable.
- Burning rate** : Not applicable.
- Evaporation rate** :  $>1$  (butyl acetate = 1)
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Lower: 1.3%  
Upper: 8%
- Vapor pressure** : 5.3 kPa (40 mm Hg) [room temperature]
- Vapor density** : Not available.
- Relative density** : 0.73
- Solubility** : Not available.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** :  $280^{\circ}\text{C}$  ( $536^{\circ}\text{F}$ )
- Decomposition temperature** : Not available.
- SADT** : Not available.
- Viscosity** : Kinematic (room temperature):  $0.007$   $\text{cm}^2/\text{s}$  (0.7 cSt)
- VOC content** : 0.0482 lbs/gal (5.8 g/l)

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
solvent naphtha (petroleum blend), light	LC50 Inhalation Gas.	Rat	3400 ppm	4 hours
	LD50 Dermal	Rat	>4000 mg/kg	-
	LD50 Oral	Rat	>8000 mg/kg	-

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.



## Section 11. Toxicological information

- Inhalation : Harmful if inhaled.  
Skin contact : No known significant effects or critical hazards.  
Ingestion : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact : No specific data.  
Inhalation : No specific data.  
Skin contact : No specific data.  
Ingestion : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects : Not available.  
Potential delayed effects : Not available.

#### Long term exposure

- Potential immediate effects : Not available.  
Potential delayed effects : Not available.

#### Potential chronic health effects

Not available.

- General : No known significant effects or critical hazards.  
Carcinogenicity : No known significant effects or critical hazards.  
Mutagenicity : No known significant effects or critical hazards.  
Teratogenicity : No known significant effects or critical hazards.  
Developmental effects : No known significant effects or critical hazards.  
Fertility effects : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Inhalation (gases)	3400 ppm

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

- Soil/water partition coefficient (K<sub>oc</sub>) : Not available.







## Section 12. Ecological information

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	1993	1993	1993	1993	1993	1993
UN proper shipping name	FLAMMABLE LIQUIDS, N.O. S. (solvent naphtha (petroleum blend), light)	FLAMMABLE LIQUIDS, N.O. S. (solvent naphtha (petroleum blend), light)	FLAMMABLE LIQUIDS, N.O. S. (solvent naphtha (petroleum blend), light)	FLAMMABLE LIQUIDS, N.O. S. (solvent naphtha (petroleum blend), light)	FLAMMABLE LIQUIDS, N.O. S. (solvent naphtha (petroleum blend), light)	FLAMMABLE LIQUIDS, N.O. S. (solvent naphtha (petroleum blend), light)
Transport hazard class(es)	3 	3 	3 	3 	3 	3 
Packing group	II	II	II	II	II	II
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	<b>Special provisions</b> 640 (D)  <b>Tunnel code</b> (D/E)	-	-

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption**: All components are listed or exempted.  
**United States inventory (TSCA 8b)**: All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Fire hazard  
 Immediate (acute) health hazard

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
solvent naphtha (petroleum blend), light	50 - 100	Yes.	No.	No.	Yes.	No.

### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

**Canada inventory** : All components are listed or exempted.

### International regulations

**International lists** : **Australia inventory (AICS)**: All components are listed or exempted.  
**China inventory (IECSC)**: All components are listed or exempted.  
**Japan inventory**: Not determined.  
**Korea inventory**: All components are listed or exempted.  
**Malaysia Inventory (EHS Register)**: Not determined.  
**New Zealand Inventory of Chemicals (NZIoC)**: All components are listed or exempted.  
**Philippines inventory (PICCS)**: All components are listed or exempted.  
**Taiwan inventory (CSNN)**: Not determined.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

**Chemical Weapons Convention List Schedule III Chemicals** : Not listed

## Section 16. Other information

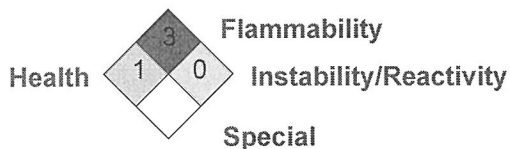
### Hazardous Material Information System (U.S.A.)

Health	1
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 are not required on SDSs 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 mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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 NFP or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### History

Date of printing	:	2/12/2014.
Date of issue/Date of revision	:	2/12/2014.
Date of previous issue	:	2/3/2014.
Version	:	0.04
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

References : Not available.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# SAFETY DATA SHEET

Tech Tire Talc



## Section 1. Identification

GHS product identifier : Tech Tire Talc  
Chemical name : Talc  
Other means of identification : 706, 706-1, 706-2, 706-5,  
Product type : Powder.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Tech International, 200 East Coshocton Street, Johnstown, Ohio 43031, 740-967-9015  
CHEMTREC: 1-800-424-9300  
Manufacturer : Tech International, 200 East Coshocton Street, Johnstown, Ohio 43031, 740-967-9015,  
CHEMTREC 1-800-424-9300  
Distributor : Tech International, 200 East Coshocton Street, Johnstown, Ohio 43031, 740-967-9015  
CHEMTREC: 1-800-424-9300  
Emergency telephone number (with hours of operation) : Chemtrec 1-800-424-9300 (24hrs)  
CHEMTREC Brazil (Rio De Janeiro): +(55)-2139581449  
CHEMTREC Mexico: 01-800-681-9531  
CHEMTREC Russia: 8-800-100-6346

## Section 2. Hazards identification

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

Classification of the substance or mixture : CARCINOGENICITY - Category 1A

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 92.5%

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 100%

### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes serious eye irritation. Harmful if inhaled.

### Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response : IF exposed or concerned: Get medical attention.

Storage : Store locked up.

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

Hazards not otherwise classified : Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
Chemical name : Talc  
Other means of identification : 706, 706-1, 706-2, 706-5,

### CAS number/other identifiers

CAS number : Not applicable.  
Product code : 706

Ingredient name	%	CAS number
Talc	50 - 100	14807-96-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If 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. Get medical attention. 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.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. 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.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
irritation  
redness



## Section 4. First aid measures

- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

## Section 6. Accidental release measures

- Small spill** : Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Talc , containing asbestiform fibres	<b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable dust <b>NIOSH REL (United States, 6/2009).</b> TWA: 2 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction <b>OSHA PEL Z3 (United States, 9/2005).</b> TWA: 20 mppcf 8 hours. Form: not containing asbestos STEL: 1 f/cc 30 minutes. Form: not containing asbestos TWA: 0.1 f/cc 8 hours. STEL: 1 f/cc 30 minutes.
Talc , containing asbestiform fibres	<b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable dust <b>NIOSH REL (United States, 6/2009).</b> TWA: 2 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction <b>OSHA PEL Z3 (United States, 9/2005).</b> TWA: 20 mppcf 8 hours. Form: not containing asbestos