

**SAFETY DATA SHEET**

**1. Identification**

**Product identifier** SEALANT 155K (J STICK)

**Other means of identification**

**Product code** 800-0054

**Recommended use** Industrial Leak Sealant  
Industrial Leak Sealant.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** Team Industrial Services, Inc.  
**Address** 200 Hermann Drive, Alvin, Texas 77511  
**Telephone** Not available.  
**E-mail** Not available.

**Emergency phone number** CHEMTREC - 24 HOURS: 800-424-9300 (USA)  
International: +1 703-527-3887 (Collect)

**2. Hazard(s) identification**

**Physical hazards** Not classified.

**Health hazards** Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2B

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Causes skin irritation. Causes eye irritation.

**Precautionary statement**

**Prevention** Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

**Response** If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**3. Composition/information on ingredients**

**Mixtures**

Chemical name	CAS number	%
Modified Natural Resins	-	25-50
Aluminosilicate	142844-00-6	1-20
Crystalline Silica	-	1-20
Aluminium	7429-90-5	1-10

**Composition comments** Components not listed are either non-hazardous or are below reportable limits. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Refractories, Fibers, Aluminosilicate Note R: The classification as a carcinogen does not apply according to Directive 67/548/EEC as it can be shown that fibers have a length weighted geometric mean diameter less two standard geometric errors greater than 6 micrometers.

#### 4. First-aid measures

**Inhalation** Remove victim to fresh air. Get medical attention if symptoms persist.

**Skin contact** Wash area with soap and water. Get medical attention if irritation develops or persists.

**Eye contact** Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

**Ingestion** Rinse mouth and drink plenty of water. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort occurs.

**Most important symptoms/effects, acute and delayed** Causes skin and eye irritation.

**Indication of immediate medical attention and special treatment needed** Treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

**Suitable extinguishing media** Water spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media** Do not use Halogenated extinguishing agent like halon or Carbon Tetrachloride.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials. Cool material exposed to heat with water spray and remove it if no risk is involved.

**General fire hazards** Will burn if involved in a fire. If grinding or sanding or any other process is performed to this compound will cause airborne particles and aluminum dust (maximum 2.5% of total mixture), can ignite or explode if an ignition source or spark is present, avoid creating a dust cloud.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Avoid inhalation of dust. Avoid prolonged and repeated contact. See Section 8 of the SDS for Personal Protective Equipment.

**Methods and materials for containment and cleaning up** Not available.

**Environmental precautions** Do not discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

**Precautions for safe handling** Provide adequate ventilation. Avoid inhalation of dust. Aluminum dust (maximum 2.5% of total mixture), can ignite or explode if an ignition source or spark is present, avoid creating a dust cloud. Aluminum can react with water to slowly generate hydrogen gas and heat; this can also build pressure in confined spaces. Avoid prolonged and repeated contact. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in closed original container in a dry place. Keep away from open flames. Store away from incompatible materials.

#### 8. Exposure controls/personal protection

##### Occupational exposure limits

##### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Aluminium (CAS 7429-90-5)	PEL	5 mg/m <sup>3</sup>	Respirable dust.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
Solvent mixture (CAS 8052-41-3)	PEL	15 mg/m <sup>3</sup>	Total dust.
		2900 mg/m <sup>3</sup>	
		500 ppm	

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value	Form
Crystalline Silica (CAS -)	TWA	0.3 mg/m <sup>3</sup>	Total dust.
		0.1 mg/m <sup>3</sup>	Respirable.
		2.4 mppcf	Respirable.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Aluminium (CAS 7429-90-5)	TWA	1 mg/m <sup>3</sup>	Respirable fraction.
Crystalline Silica (CAS -)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.
Solvent mixture (CAS 8052-41-3)	TWA	100 ppm	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Aluminium (CAS 7429-90-5)	TWA	5 mg/m <sup>3</sup>	Welding fume or pyrophoric powder.
		5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Total
		3 fibers/cm <sup>3</sup>	Dust.
Aluminosilicate (CAS 142844-00-6)	TWA	3 fibers/cm <sup>3</sup>	Fiber.
		5 mg/m <sup>3</sup>	Fiber, total
		5 mg/m <sup>3</sup>	fibers, total dust
		0.05 mg/m <sup>3</sup>	Respirable dust.
Crystalline Silica (CAS -)	TWA	0.05 mg/m <sup>3</sup>	
		1800 mg/m <sup>3</sup>	
Solvent mixture (CAS 8052-41-3)	Ceiling	1800 mg/m <sup>3</sup>	
		350 mg/m <sup>3</sup>	

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Risk of contact: Wear approved safety glasses or goggles.

**Skin protection**

**Hand protection** Wear protective gloves.

**Other** Where skin contact is likely, wear chemical impervious gloves. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. During dust-raising work: Use respiratory equipment with particle filter, type P1.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Putty-like compound.
<b>Color</b>	Gray.
<b>Odor</b>	Solvent -like.
<b>Odor threshold</b>	Not available.
<b>pH</b>	5.7
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	226.0 °F (107.8 °C) Cleveland Open Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	0.6 kPa @ 20 °C (Solvent)
<b>Vapor density</b>	5.5 (Air=1) (Solvent)
<b>Relative density</b>	1.52 (compressed, uncured) (H2O =1)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Nil
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>VOC (Weight %)</b>	< 6 % by weight Max.

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Excessive heat.
<b>Incompatible materials</b>	Strong Oxidizers, Strong Acids, Mineral Acids, Alkalies, Hydrocarbons. Aluminum can react with water to slowly generate hydrogen gas and heat; this can also build pressure in confined spaces. Keep containers closed, avoid contamination with water.
<b>Hazardous decomposition products</b>	CO, CO2, Various hydrocarbon gases. Hydrogen sulfide. Sulfur dioxide. Aluminum oxides.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	May cause eye irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Causes skin and eye irritation.

**Information on toxicological effects**

**Acute toxicity** May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Components	Species	Test Results
Solvent mixture (CAS 8052-41-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5.2 mg/l, 4 hours
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** May cause eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not available.

**Skin sensitization** Prolonged skin contact may cause dermatitis.

**Germ cell mutagenicity** Not classified.

**Carcinogenicity** The carcinogenic effect is caused by inhalation of dust particles. Due to the form of the product, exposure to the potentially carcinogenic components is not expected. Crystalline silica: Overexposure to the respirable dust of crystalline silica (quartz or cristobalite, less than or equal to 5 microns in size) may lead to silicosis in humans, which is a progressive and irreversible lung disease.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Aluminosilicate (CAS 142844-00-6) 2B Possibly carcinogenic to humans.  
Crystalline Silica (CAS -) 1 Carcinogenic to humans.

**NTP Report on Carcinogens**

Crystalline Silica (CAS -) Known To Be Human Carcinogen.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity** Not classified.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not relevant, due to the form of the product.

**Chronic effects** Frequent inhalation of fume/dust over a long period of time increases the risk of developing lung diseases. Pre-existing skin disease may be aggravated by exposure. Crystalline silica: Overexposure to the respirable dust of crystalline silica (quartz or cristobalite, less than or equal to 5 microns in size) may lead to silicosis in humans, which is a progressive and irreversible lung disease. Prolonged breathing of high levels of crystalline silica can cause silicosis. Also, airborne crystalline silica is possibly carcinogenic to humans.

**12. Ecological information**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

**Persistence and degradability** No data available.

**Bioaccumulative potential** No data available for this product.

**Partition coefficient n-octanol / water (log Kow)**

Solvent mixture (CAS 8052-41-3) 3.16 - 7.15

**Mobility in soil** No data available.

**Mobility in general** The product is insoluble in water.

**Other adverse effects** No data available.

### 13. Disposal considerations

**Disposal instructions** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Recover and reclaim or recycle, if practical.

**Hazardous waste code** Not regulated.

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose product packaging in accordance with local authority requirements taking into account characteristics of the packaging material.

### 14. Transport information

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

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

### 15. Regulatory information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Aluminosilicate (CAS 142844-00-6) 0.1 % One-Time Export Notification only.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** No

#### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Aluminium	7429-90-5	1-10

#### Other federal regulations

##### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

##### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US. Massachusetts RTK - Substance List

Aluminium (CAS 7429-90-5)  
Aluminosilicate (CAS 142844-00-6)  
Crystalline Silica (CAS -)  
Solvent mixture (CAS 8052-41-3)

**US. New Jersey Worker and Community Right-to-Know Act**

Aluminium (CAS 7429-90-5)  
 Aluminosilicate (CAS 142844-00-6)  
 Crystalline Silica (CAS -)  
 Solvent mixture (CAS 8052-41-3)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Aluminium (CAS 7429-90-5)  
 Aluminosilicate (CAS 142844-00-6)  
 Crystalline Silica (CAS -)  
 Solvent mixture (CAS 8052-41-3)

**US. Rhode Island RTK**

Aluminium (CAS 7429-90-5)

**US. California Proposition 65****US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Crystalline Silica (CAS -)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	10-June-2015
<b>Revision date</b>	-
<b>Version #</b>	01
<b>Further information</b>	HMIS® is a registered trade and service mark of the NPCA. I - Safety Glasses, Gloves, Dust, Vapor Respirator
<b>HMIS® ratings</b>	Health: 2 Flammability: 1 Physical hazard: 0 Personal protection: I

**NFPA ratings****List of abbreviations**

LD50: Lethal Dose, 50%.  
 LC50: Lethal Concentration, 50%.

**References**

ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.