

**ELS 5 GL.**

Version 2.0  
 REVISION DATE: 07/28/2014

Print Date 05/31/2015

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : ELS 5 GL.  
 Product code : 360614 805  
 COMPANY : Tremco Incorporated  
 3735 Green Road  
 Cleveland, OH 44122  
 Telephone : (216) 292-5000 8:30 - 5:00 EST  
 Emergency Phone : (216) 765-6727 8:30 - 5:00 EST  
 After Hours: Chemtrec 1-800-424-9300  
 Product use : Roof Mastic

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**SECTION 2 - HAZARDS IDENTIFICATION**

Emergency Overview

Black. Paste. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause slight irritation to the respiratory system.  
 Eyes : Direct contact may cause moderate irritation. Direct contact may cause temporary redness and discomfort.  
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.  
 Skin : May cause moderate irritation. May cause itching, reddening, inflammation. May cause a rash. May cause sensitization.

Aggravated Medical Conditions

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Prolonged or repeated skin contact with asphalt may result in skin sensitivity, such as irritation, rashes, and dermatitis. Prolonged or repeated exposure to polycyclic aromatic hydrocarbons and other volatiles which are contained in trace amounts in asphalt have been shown to cause cancer or respiratory damage in animals. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. This product contains naphthalene. A National Toxicology Program (NTP) draft report states that lifetime inhalation exposure to naphthalene resulted in increases in tumors of the nose in rats. In a previous NTP study, lifetime inhalation exposure to naphthalene increased lung tumors in female mice. The relevance of the rodent findings to humans is questionable. Fillers are encapsulated and not expected to be released from product under normal conditions of use. Prolonged or repeated exposure to mineral spirits (petroleum naphtha or stoddard solvent) may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, and adverse liver, kidney, and lung effects.

Target Organs: Skin, Eye, Lung, Liver, Kidney, Nerve

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**SECTION 3 - PRODUCT COMPOSITION**

| Chemical Name                            | CAS-No.                 | Weight %    |
|------------------------------------------|-------------------------|-------------|
| Asphalt                                  | 8052-42-4               | 40.0 - 70.0 |
| Calcium Carbonate (Limestone)            | 1317-65-3               | 15.0 - 40.0 |
| Stoddard solvent (Mineral Spirits)       | 8052-41-3               | 10.0 - 30.0 |
| Magnesium aluminum silicate              | 12174-11-7              | 10.0 - 30.0 |
| Pine Tar                                 | 8016-81-7               | 5.0 - 10.0  |
| Inert Filler                             | NJ TSRN# 51721300-5013P | 3.0 - 7.0   |
| 1,2,4-Trimethylbenzene                   | 95-63-6                 | 0.1 - 1.0   |
| Crystalline Silica (Quartz)/ Silica Sand | 14808-60-7              | 0.1 - 1.0   |
| Naphthalene                              | 91-20-3                 | 0.1 - 1.0   |
| Cumene                                   | 98-82-8                 | 0.1 - 1.0   |

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
- Skin contact : Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : Not available.
- Method : Not available.
- Burning rate : Non-flammable solid
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.
- Hazardous combustion products : Smoke, fumes. Carbon monoxide and carbon dioxide can form. Oxides of sulfur can form.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : Product may ignite if heated in excess of its flash point. Vapors may travel to sources of ignition and flashback. Vapor concentrations in enclosed areas may ignite explosively. Empty containers may contain ignitable vapors.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

**SECTION 7 - HANDLING AND STORAGE**

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not smoke, weld, generate sparks, or use flame near container. Do not use in confined or poorly ventilated areas. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Store under dry warehouse conditions away from heat and all ignition sources.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protection equipment**

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Skin and body protection : Prevent contact with shoes and clothing.
- Protective measures : Use professional judgment in the selection, care, and use. Inspect and replace equipment at regular intervals.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

| Chemical Name                      | CAS Number | Regulation                                                                   | Limit                                                             | Form                                                                                                                        |
|------------------------------------|------------|------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Asphalt                            | 8052-42-4  | ACGIH TWA:<br>benzene solubles                                               | 0.5 mg/m3                                                         | Inhalable fraction.as                                                                                                       |
| Calcium Carbonate (Limestone)      | 1317-65-3  | OSHA PEL:<br>OSHA PEL:<br>ACGIH TWA:<br>ACGIH TWA:<br>OSHA TWA:<br>OSHA TWA: | 5 mg/m3<br>15 mg/m3<br>3 mg/m3<br>10 mg/m3<br>15 mg/m3<br>5 mg/m3 | Respirable fraction.<br>Total dust.<br>Respirable particles.<br>Inhalable particles.<br>Total dust.<br>Respirable fraction. |
| Stoddard solvent (Mineral Spirits) | 8052-41-3  | ACGIH TWA:<br>OSHA PEL:                                                      | 100 ppm<br>2,900 mg/m3                                            |                                                                                                                             |



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| Chemical Name                               | CAS Number                 | Regulation                                                     | Limit                                                        | Form                                                                                      |
|---------------------------------------------|----------------------------|----------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Inert Filler                                | NJ TSRN#<br>51721300-5013P | ACGIH TWA:<br>OSHA PEL:<br>OSHA PEL:<br>OSHA TWA:<br>OSHA TWA: | 10 mg/m3<br>5 mg/m3<br>15 mg/m3<br>15 mg/m3<br>5 mg/m3       | Respirable fraction.<br>Total dust.<br>Total dust.<br>Respirable fraction.                |
| 1,2,4-Trimethylbenzene                      | 95-63-6                    | ACGIH TWA:                                                     | 25 ppm                                                       |                                                                                           |
| Crystalline Silica<br>(Quartz)/ Silica Sand | 14808-60-7                 | OSHA TWA:<br>OSHA TWA:<br>OSHA PEL:<br>OSHA PEL:<br>ACGIH TWA: | 0.1 mg/m3<br>0.3 mg/m3<br>15 mg/m3<br>5 mg/m3<br>0.025 mg/m3 | Respirable.<br>Total dust.<br>Total dust.<br>Respirable fraction.<br>Respirable fraction. |
| Naphthalene                                 | 91-20-3                    | ACGIH TWA:<br>ACGIH STEL:<br>OSHA PEL:                         | 10 ppm<br>15 ppm<br>50 mg/m3                                 |                                                                                           |
| Cumene                                      | 98-82-8                    | ACGIH TWA:<br>OSHA PEL:                                        | 50 ppm<br>245 mg/m3                                          |                                                                                           |

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

|                     |                    |
|---------------------|--------------------|
| Form                | : Paste            |
| Color               | : Black            |
| Odor                | : Solvent          |
| pH                  | : Not available.   |
| Vapour pressure     | : Not available.   |
| Vapor density       | : Heavier than air |
| Melting point/range | : Not available.   |
| Freezing point      | : Not available.   |
| Boiling point/range | : Not available.   |
| Water solubility    | : Negligible       |
| Specific Gravity    | : 1.18             |
| % Volatile Weight   | : 16 %             |

**SECTION 10 - REACTIVITY / STABILITY**

|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| Substances to avoid      | : Oxidizing agents.                                           |
| Stability                | : Material is stable under normal storage, handling, and use. |
| Hazardous polymerization | : Will not occur under normal conditions.                     |



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**SECTION 11 - TOXICOLOGICAL INFORMATION**

|                                      |                                                                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Naphthalene, CAS-No.: 91-20-3        |                                                                                                                                         |
| Acute oral toxicity (LD-50 oral)     | 2,600 mg/kg ( Sprague-Dawley rat ) 2,200 mg/kg ( Sherman rat ) 2,400 mg/kg ( Sherman rat ) 1,200 mg/kg ( Guinea pig ) 490 mg/kg ( Rat ) |
| Acute dermal toxicity (LD-50 dermal) | 2,000 mg/kg ( New Zealand white rabbit ) 20,000 mg/kg ( Rat )                                                                           |
| Cumene, CAS-No.: 98-82-8             |                                                                                                                                         |
| Acute oral toxicity (LD-50 oral)     | 2,910 mg/kg ( Rat ) 1,400 mg/kg ( Rat )                                                                                                 |
| Acute inhalation toxicity (LC-50)    | 2,000 mg/l for 7 h ( Mouse ) 8,000 mg/l for 4 h ( Rat ) 24.7 mg/l for 2 h ( Mouse )                                                     |

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

RCRA Class : D001: Reportable Quantity = 100 lbs. (Characteristic of ignitability)  
 This classification applies only to the material as it was originally produced.  
 Disposal Method : Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**CFR / DOT:**

Not Regulated

**TDG:**

Not Regulated

**IMDG:**

Not Regulated

**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**  
 All components are listed or exempt from the TSCA inventory.

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This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

**U.S. Federal Regulations:**

SARA 313 Components : Naphthalene 91-20-3

SARA 311/312 Hazards : Acute Health Hazard  
 Chronic Health Hazard  
 Fire Hazard

OSHA Hazardous Components :

Asphalt 8052-42-4  
 Calcium Carbonate (Limestone) 1317-65-3  
 Stoddard solvent (Mineral Spirits) 8052-41-3  
 Magnesium aluminum silicate 12174-11-7  
 Inert Filler NJ TSRN# 51721300-5013P  
 1,2,4-Trimethylbenzene 95-63-6  
 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7  
 Naphthalene 91-20-3  
 Cumene 98-82-8

OSHA Status: Considered : Irritant  
 hazardous based on the : Carcinogen  
 following criteria:

OSHA Flammability : II

Regulatory VOC (less water and : 192 g/l  
 exempt solvent)

VOC Method 310 : 16.24 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:  
 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

**U.S. State Regulations:**

MASS RTK Components : Asphalt 8052-42-4  
 Calcium Carbonate (Limestone) 1317-65-3  
 Stoddard solvent (Mineral Spirits) 8052-41-3  
 Inert Filler NJ TSRN# 51721300-5013P  
 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Penn RTK Components : Asphalt 8052-42-4  
 Calcium Carbonate (Limestone) 1317-65-3  
 Stoddard solvent (Mineral Spirits) 8052-41-3  
 Magnesium aluminum silicate 12174-11-7  
 Pine Tar 8016-81-7  
 Inert Filler NJ TSRN# 51721300-5013P

NJ RTK Components : Asphalt 8052-42-4  
 Calcium Carbonate (Limestone) 1317-65-3  
 Stoddard solvent (Mineral Spirits) 8052-41-3  
 Magnesium aluminum silicate 12174-11-7  
 Pine Tar 8016-81-7  
 Inert Filler NJ TSRN# 51721300-5013P

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Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Components under California Proposition 65:  
**WARNING!** Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

|              |   |
|--------------|---|
| Health       | 2 |
| Flammability | 2 |
| Reactivity   | 1 |
| PPE          |   |

0 = Minimum  
 1 = Slight  
 2 = Moderate  
 3 = Serious  
 4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Prepared by: Rich Mikol**

**Legend**

- ACGIH - American Conference of Governmental Hygienists
- CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
- DOT - Department of Transportation
- DSL - Domestic Substance List
- EPA - Environmental Protection Agency
- HMIS - Hazardous Materials Information System
- IARC - International Agency for Research on Cancer
- MSHA - Mine Safety Health Administration
- NDSL - Non-Domestic Substance List
- NIOSH - National Institute for Occupational Safety and Health
- NTP - National Toxicology Program
- OSHA - Occupational Safety and Health Administration
- PEL - Permissible Exposure Limit
- RCRA - Resource Conservation and Recovery Act
- RTK - Right To Know
- SARA - Superfund Amendments and Reauthorization Act
- STEL - Short Term Exposure Limit
- TLV - Threshold Limit Value
- TSCA - Toxic Substances Control Act
- TWA - Time Weighted Average
- V - Volume
- VOC - Volatile Organic Compound
- WHMIS - Workplace Hazardous Materials Information System