

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : FlashSeal

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Acrylic elastomer for sealing roof flashings

1.3. Details of the supplier of the safety data sheet

SaverSystems, Inc.
800 S. 7th Street
Richmond, 47374 - U.S.A.
T (765) 966-5084

1.4. Emergency telephone number

Chemtel : 1 (800) 255-3924 24/7

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Carc. 1A H350

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : H350 - May cause cancer
Precautionary statements (GHS-US) : P280 - Wear protective clothing, protective gloves
P405 - Store away from children
P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

Other hazards which do not result in classification : Spills may cause collapse or fall.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

| Name | Product identifier | % | GHS-US classification |
|-----------------------------|---------------------|-------|---|
| Quartz (SiO ₂) | (CAS No) 14808-60-7 | < 0.5 | Acute Tox. 4 (Oral), H302 Carc. 1A, H350 |
| Pentapotassium triphosphate | (CAS No) 13845-36-8 | >0.1 | Acute Tox. 4 (Oral), H302 |

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

FlashSeal

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| | |
|---------------------------------------|---|
| First-aid measures after inhalation | : In all cases of doubt, or when symptoms persist, seek medical advice. Move the affected person away from the contaminated area and into the fresh air. Ensure fresh air breathing. Allow the victim to rest. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention immediately. |
| First-aid measures after ingestion | : Rinse mouth. Obtain emergency medical attention. Do NOT induce vomiting unless directed to do so by a physician. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|--------------------------------------|--|
| Symptoms/injuries | : Overexposure may be irritating to the respiratory system. |
| Symptoms/injuries after inhalation | : If user operations generate dust or fumes, . Inhalation of dust/particles. May cause cancer by inhalation. |
| Symptoms/injuries after skin contact | : Frequent or prolonged contact with skin may cause dermal irritation, redness or dry skin. |
| Symptoms/injuries after eye contact | : Direct contact may result in corneal injury. may cause physical irritation upon direct contact. |

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | : Use media as appropriate for surrounding material . Foam. Dry powder. Carbon dioxide. Water fog. Water spray. |
|------------------------------|--|

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

| | |
|---------------------------------------|---|
| Firefighting instructions | : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protective equipment for firefighters | : In case of fire: Wear self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Other information | : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NOx). Elevated temperatures may cause toxic metal oxides to be formed. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|---|
| General measures | : Avoid skin and eye contact. Avoid dust formation. |
|------------------|---|

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : Use personal protective equipment as required. Use suitable eye protection and gloves. For further information refer to section 8 : Exposure-controls/personal protection. |
| Emergency procedures | : Evacuate unnecessary personnel. |

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | : Scrape up liquid coating with cardboard or rag and place in a closed container. Store away from other materials. Dispose of contents/container to comply with applicable local, national and international regulations. On land, sweep or shovel into suitable containers. Avoid raising powdered materials into airborne dust. Prevent dust accumulation (to minimize explosion hazard). Wear personal protection equipment. |
|-------------------------|---|

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

FlashSeal

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep out of reach of children. Obtain special instructions before use. Work in a well-ventilated area. Wear suitable gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. In case of insufficient ventilation, wear suitable respiratory equipment. Do not handle until all safety precautions have been read and understood. Avoid raising powdered materials into airborne dust. avoid breathing dust.
- Hygiene measures : Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Use good personal hygiene practices. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing prior to re-use.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : A washing facility/water for eye and skin cleaning purposes should be present. Use only in well-ventilated areas.
- Storage conditions : Keep locked up and out of reach of children. Keep only in the original container in a cool well ventilated place. Store away from freezing (avoid freezing during storage). Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep container closed when not in use.
- Incompatible materials : Strong acids, bases. Oxidizing agents. Chlorine-based bleaching agents.
- Storage area : Store in dry, cool, well-ventilated area.
- Special rules on packaging : Correctly labelled.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use only in well-ventilated areas. Ensure adequate ventilation.
- Personal protective equipment : Gloves. Protective clothing. Protective goggles. Avoid all unnecessary exposure. The following pictograms represent the minimum requirements for personal protective equipment.



- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid discharge to the environment.
- Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Paste.
- Colour : White.
- odour : No data available
- Odour threshold : No data available
- pH : 8
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available

FlashSeal

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| | |
|----------------------------------|--|
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 1.39 g/cm ³ (11.6 lb/gal) |
| Solubility | : Water: Soluble |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at normal temperatures and pressures.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers. Strong acids. Strong bases. chlorine-based bleaching agents.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, SiO₂. Toxic metal oxide smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Quartz (SiO ₂) (14808-60-7) | |
|--|---------------------------|
| LD50 oral rat | 500 mg/kg |
| ATE (oral) | 500.000 mg/kg |
| Pentapotassium triphosphate (13845-36-8) | |
| LD50 oral rat | 2000 mg/kg |
| ATE (oral) | 2000.000 mg/kg bodyweight |

| | |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation | : Not classified pH: 8 |
| Serious eye damage/irritation | : Not classified pH: 8 |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : May cause cancer. |

FlashSeal

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| FlashSeal | |
|------------------------|---|
| Additional information | This product contains less than 0.5% by weight crystalline silica Silica-IARC-Group 1 (Carcinogen to Humans) listed under Crystalline silica inhaled in form of quartz or cristobalite from occupational sources |

| Quartz (SiO ₂) (14808-60-7) | |
|---|-----------------------------|
| IARC group | 1 - Carcinogenic to humans |
| National Toxicity Program (NTP) Status | 2 - Known Human Carcinogens |

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : If user operations generate dust or fumes, . Inhalation of dust/particles. May cause cancer by inhalation.

Symptoms/injuries after skin contact : Frequent or prolonged contact with skin may cause dermal irritation, redness or dry skin.

Symptoms/injuries after eye contact : Direct contact may result in corneal injury. may cause physical irritation upon direct contact.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

| FlashSeal | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| FlashSeal | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Do not re-use empty containers. It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

ADR

Transport document description : No additional information available

Transport by sea

No additional information available

FlashSeal

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Quartz (SiO₂) (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Pentapotassium triphosphate (13845-36-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Quartz (SiO₂) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Pentapotassium triphosphate (13845-36-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

Quartz (SiO₂) (14808-60-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Pentapotassium triphosphate (13845-36-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No information available

Classification according to Directive 67/548/EEC or 1999/45/EC

N; R51/53

Full text of R-phrases: see section 16

15.2.2. National regulations

Quartz (SiO₂) (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on the Canadian Ingredient Disclosure List

Pentapotassium triphosphate (13845-36-8)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

15.3. US State regulations

Quartz (SiO₂) (14808-60-7)

U.S. - California -
Proposition 65 -
Carcinogens List

U.S. - California -
Proposition 65 -
Developmental Toxicity

U.S. - California -
Proposition 65 -
Reproductive Toxicity -
Female

U.S. - California -
Proposition 65 -
Reproductive Toxicity - Male

No significance risk level
(NSRL)

FlashSeal

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| Quartz (SiO ₂) (14808-60-7) | | | | |
|---|--|--|--|--|
| Yes | | | | |

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

| | |
|---------------------|-----------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Carc. 1A | Carcinogenicity, Category 1A |
| H302 | Harmful if swallowed |
| H350 | May cause cancer |

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product