

SilJet™

SECTION 1 : Identification of the substance/mixture and of the supplier

Product name: SilJet™

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: 93210

Recommended uses of the product and restrictions on use:

Manufacturer Details:

Danville Materials
3420 Fostoria Way Suite a200
San Ramon, CA 94583

Supplier Details:

Danville Materials
3420 Fostoria Way Suite a200
San Ramon, CA 94583

Emergency telephone number:

ChemTrec Inc 1-800-424-9300,703-527-3887 (CHEMTREC)

SECTION 2 : Hazards identification

Classification of the substance or mixture:



Irritant

Acute toxicity (oral, dermal, inhalation), category 4
Specific target organ toxicity following single exposure, category 3

Acute inhalation category 4.

Specific target organ toxicity following single exposure, category 3.

Signal word: Warning

Hazard statements:

Harmful if inhaled.

May cause respiratory irritation.

Precautionary statements:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell. Store in a well ventilated place. Keep container tightly closed.

Store locked up. Dispose of contents/container to

Hazards not otherwise classified (HNOC):

May form combustible dust concentrations in the air

Other Non-GHS Classification:

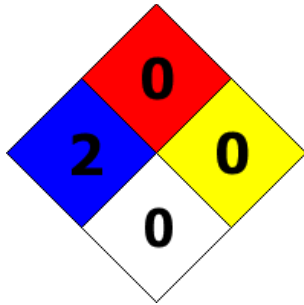
WHMIS

D2B



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NFPA/HMIS



NFPA SCALE (0-4)

Health	2
Flammability	0
Physical Hazard	0
Personal Protection	0

HMIS RATINGS (0-4)

SECTION 3 : Composition/information on ingredients

Ingredients:		
CAS 1344-28-1	Alpha Alumina	>99 %
CAS 7631-86-9	Silicon Dioxide	5-15 %
Percentages are by weight		

SECTION 4 : First aid measures

Description of first aid measures

After inhalation: Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Loosen clothing and place exposed in a comfortable position. Seek medical assistance if cough or other symptoms appear.

After skin contact: Wash hands and exposed skin with soap and plenty of water. Seek medical attention if irritation persists or if concerned.

After eye contact: Protect unexposed eye. Flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing. Keep eyelids open while rinsing. Seek medical attention if irritation persists or if concerned.

After swallowing: Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately seek medical attention. Give victim a glass of water or milk. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed:

Shortness of breath. Headache. Nausea. Dizziness. Choking sensation, respiratory system passageways irritation. None identified.

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SECTION 5 : Firefighting measures

Extinguishing media

Suitable extinguishing agents: Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents: None identified.

Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

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Advice for firefighters:

Protective equipment: Wear protective eyewear, gloves, and clothing. Refer to Section 8.

Additional information (precautions): Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing.

SECTION 6 : Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Ensure that air-handling systems are operational.

Environmental precautions:

Should not be released into environment. Prevent from reaching drains, sewer, or waterway.

Methods and material for containment and cleaning up:

Containerize for disposal. Refer to Section 13. Keep in suitable closed containers for disposal. Always obey local regulations. If necessary use trained response staff or contractor. Wear protective eyewear, gloves, and clothing. Refer to Section 8.

Reference to other sections:

None

SECTION 7 : Handling and storage

Precautions for safe handling:

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Keep away from food and beverages. Protect from freezing and physical damage. Keep container tightly sealed. Store away from incompatible materials.

SECTION 8 : Exposure controls/personal protection



Control Parameters:

1344-28-1, Aluminium oxide, OSHA PEL: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction).
7631-86-9, Silica Dioxide, NIOSH REL: TWA 6 mg/m³.

Appropriate Engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses or goggles are appropriate eye protection.

Respiratory protection:

Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

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- Protection of skin:** Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing.
- Eye protection:** Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses or goggles are appropriate eye protection. Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses or goggles are appropriate eye protection.
- General hygienic measures:** Perform routine housekeeping. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Before rewearing wash contaminated clothing.

SECTION 9 : Physical and chemical properties

Appearance (physical state,color):	White or off-white, crystalline powder	Explosion limit lower: Explosion limit upper:	Not applicable Not applicable
Odor:	None, odorless	Vapor pressure:	Not applicable
Odor threshold:	Not Determined	Vapor density:	Not applicable
pH-value:	Not Determined	Relative density:	Not Determined
Melting/Freezing point:	3700°F (2038°C)	Solubilities:	Insoluble in water and organic solvents.
Boiling point/Boiling range:	Not Determined	Partition coefficient (n-octanol/water):	Not Determined
Flash point (closed cup):	Not Determined	Auto/Self-ignition temperature:	Not Determined
Evaporation rate:	Not Determined	Decomposition temperature:	
Flammability (solid,gaseous):	Not flammable	Viscosity:	a. Kinematic: b. Dynamic:
Density: 3.97			

SECTION 10 : Stability and reactivity

- Reactivity:** Nonreactive under normal conditions.
- Chemical stability:** Stable under normal conditions.
- Possible hazardous reactions:** None under normal processing.
- Conditions to avoid:** Incompatible materials.
- Incompatible materials:** Strong acids.
- Hazardous decomposition products:** Not determined.

SECTION 11 : Toxicological information

Acute Toxicity:

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Oral:	>10,000 mg/kg	LD50 Rat
Inhalation:	4 h - > 2.6 mg/l	LD50 Rat
Chronic Toxicity: No additional information.		
Corrosion Irritation:		
Dermal:	No skin irritation	Rabbit
Ocular:	No eye irritation	Rabbit
Sensitization:		Guinea pig: Did not cause sensitisation on laboratory animals.
Single Target Organ (STOT):		No additional information.
Numerical Measures:		No additional information.
Carcinogenicity:		No additional information.
Mutagenicity:		No additional information.
Reproductive Toxicity:		No additional information.

SECTION 12 : Ecological information

Ecotoxicity

: No toxicity at the limit of solubility

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility in soil: No information available.

Other adverse effects: No information available.

SECTION 13 : Disposal considerations

Waste disposal recommendations:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification. Dispose of empty containers as unused product.

SECTION 14 : Transport information

UN-Number

Not regulated

UN proper shipping name

Not regulated

Transport hazard class(es)

Packing group: Not regulated

Environmental hazard: None

Transport in bulk:

Special precautions for user: None

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SECTION 15 : Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

Acute

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

RCRA (hazardous waste code):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 1%):

None of the ingredients are listed.

SECTION 16 : Other information

None

GHS Full Text Phrases:

None

Abbreviations and acronyms:

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