

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.07.2026

Version number 33

Revision: 24.07.2026

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

- **1.1 Product identifier**
- **Trade name:** SATANITE
- **Article number:** 6106
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 No further relevant information available.
- **Application of the substance / the mixture** Refractory Material
- **Uses advised against**
 Users should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 HarbisonWalker International Minerals, Inc.
 2000 Park Lane Drive, Suite 400
 Pittsburgh, PA 15275
 412-375-6600
- **Further information obtainable from:**
 SDS@thinkHWI.com
 +33 (0)2 59 60 31 14
 www.thinkHWI.com
- **1.4 Emergency telephone number:** CHEMTREC 24 hour Emergency Number: 1-800-424-9300

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
 EUH210 Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 1344-28-1	aluminium oxide	≥10–≤25%
EINECS: 215-691-6	substance with a Community workplace exposure limit	

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CAS: 1332-58-7	Kaolin substance with a Community workplace exposure limit	$\geq 2.5 - \leq 10\%$
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO ₂) substance with a Community workplace exposure limit	$\geq 0 - \leq 10\%$
CAS: 13463-67-7 EINECS: 236-675-5	Titanium dioxide ☠ Carc. 2, H351	$\geq 0 - < 1\%$

Additional information:

The exact chemical identity and/or percentage (concentration) of the composition has been withheld as a trade secret.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

After skin contact:

Wash off with soap and water. Get medical attention if irritation develops and persists.

After eye contact: Rinse with water. Get medical attention if irritation develops and persists.

After swallowing: Rinse mouth. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up: Pick up mechanically.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities**Storage:**

Requirements to be met by storerooms and receptacles:

Store in a manner to minimize airborne dust.

Empty product packaging may contain residue. Do not reuse.

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- **Information about storage in one common storage facility:**
Store in a manner to minimize airborne dust.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

1344-28-1 aluminium oxide

OEL Long-term value: 10* 4** mg/m³
*total inhalable **respirable dust

1332-58-7 Kaolin

OEL Long-term value: 2 mg/m³

14808-60-7 Quartz (SiO₂)

OEL Long-term value: 0.1 (R) mg/m³
BOELV, Schedule 4

13463-67-7 Titanium dioxide

OEL Long-term value: 10* 4** mg/m³
*total inhalable **respirable dust

- **Regulatory information** OEL: 2026 CoP for the Safety, Health and Welfare at Work
- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

· **General protective and hygienic measures:**

Observe any medical surveillance requirements.

Wash hands before breaks and at the end of work.

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.

· **Respiratory protection:**



Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye/face protection**

Wear safety glasses with side shields (or goggles).

· **Body protection:** Wear appropriate thermal protective clothing, when necessary.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Physical state**

Solid

· **Colour:**

According to product specification

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined

· **Melting point/freezing point:**

Undetermined

· **Boiling point or initial boiling point and boiling range**

2,230 °C (7631-86-9 Amorphous silica)

· **Flammability**

Not determined

· **Lower and upper explosion limit**· **Lower:**

Not determined

· **Upper:**

Not determined

· **Flash point:**

Not applicable

· **Auto-ignition temperature:**

>370 °C (7631-86-9 Amorphous silica)

· **Decomposition temperature:**

Not determined

· **pH**

Not applicable

· **Viscosity:**· **Kinematic viscosity**

Not applicable

· **Dynamic:**

Not applicable

· **Solubility**· **water:**

Soluble.

· **Partition coefficient n-octanol/water (log value)**

Not determined

· **Vapour pressure:**

Not applicable

· **Density and/or relative density**· **Density:**

Not determined

· **Relative density**

Not determined

· **Vapour density**

Not applicable

· **Particle characteristics**

See section 3.

· **9.2 Other information**· **Appearance:**· **Form:**

Solid

· **Important information on protection of health and environment, and on safety.**· **Ignition temperature:**

Product is not selfigniting.

· **Explosive properties:**

Product does not present an explosion hazard.

· **Solvent content:**· **Water:**

0.1–2.1 %

· **Change in condition**· **Evaporation rate**

Not applicable.

· **Information with regard to physical hazard classes**· **Explosives**

Void

· **Flammable gases**

Void

· **Aerosols**

Void

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· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

1344-28-1 aluminium oxide

Oral	LD50	>5,000 mg/kg (rat)
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13463-67-7 Titanium dioxide

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**
Based on available data, the substance is not expected to cause skin or respiratory sensitization.
Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**
Not Applicable
Based on available data, the classification criteria are not met.

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· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable· **vPvB:** Not applicable

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· 14.1 UN number or ID number

· **ADR, IMDG, IATA** not regulated

· 14.2 UN proper shipping name

· **ADR, IMDG, IATA** not regulated

· 14.3 Transport hazard class(es)

· **ADR, ADN, IMDG, IATA**· **Class** not regulated

· 14.4 Packing group

· **ADR, IMDG, IATA** not regulated

· 14.5 Environmental hazards:

Not applicable

· 14.6 Special precautions for user

Not applicable

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|---|----------------|
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable |
| · UN "Model Regulation": | not regulated |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.
- **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide and is not to be considered a warranty or quality specification and does not establish a legally binding contractual relationship. Actual conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. The suggested precautions and recommendations are based on recognized good work practices and experience as of the date of publication. They are not necessarily all-inclusive or fully adequate in every circumstance. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for one's own particular use and to provide appropriate warnings and safe handling procedures to handlers and users. The information provided relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. The information and recommendations are offered solely for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted.

- **Relevant phrases**
H351 Suspected of causing cancer.
- **Department issuing SDS:** Global Product Stewardship Team
- **Contact:** SDS@thinkHWI.com
- **Date of previous version:** 23.07.2026

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· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Carc. 2: Carcinogenicity – Category 2

· * Data compared to the previous version altered.

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