

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/17/2024

Reviewed on 06/17/2024

1 Identification

- **Product identifier**
- **Trade name: ROMPOX-ECOFINE**
- **Application of the substance / the mixture** Binder
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - Romex US. LLC.
 - 37 Miry Brook Rd. Danbury, CT 06810
 - United States of America
 - 866.766.3963
 - info@romexhardscapes.com
- **Information department:** Abteilung Produktsicherheit
- **Emergency telephone number:**
 - American Association of Poison Control Centers
 - poisonhelp.org
 - <https://www.aapcc.org/centers>
 - Tel.: +1-800-222-1222 (24h)

Giftnotrufzentrale BONN, Germany
Tel.: 0049(0)228-19240

ROMEX, Abtlg. Produktsicherheit von 08:00-17:00 : +49 (0)2225 70954-10
 "Alberta - Poison and Drug Information Services (PADIS)Toll-free 1-800-332-1414 (within Alberta and Northwest Territories only)(403) 944-1414 (in Calgary, VOIP users, or outside of Alberta)
 British Columbia - British Columbia Drug and Poison Information Centre (DPIC)Toll-free 1-800-567-8911 (within BC only) (604) 682-5050 (Greater Vancouver)
 Manitoba - Manitoba Poison CentreToll-free 1-855-7POISON (1-855-776-4766)
 New Brunswick - Sykes Telehealth 911
 Newfoundland and Labrador - Poison Information CentreToll-free 1-866-727-1110(709) 722-1110
 Northwest Territories - Poison and Drug Information Services (PADIS)Toll-free 1-800-332-1414 (for Alberta and Northwest Territories only
 Nova Scotia - IWK Regional Poison CentreToll-free 1-800-565-8161 (for Nova Scotia and PEI only) or call 911 and ask to speak to the Poison Centre(902) 470-8161 (Halifax or outside Nova Scotia)
 Nunavut - Toll-Free 1-800-268-9017
 Ontario - Ontario Poison Centre (OPC)Toll-free 1-800-268-9017 (within Ontario)(416) 813-5900 (Greater Toronto Area)Prince Edward Island - IWK Regional Poison CentreToll-free 1-800-565-8161 (for Nova Scotia and PEI only)
 Québec - Centre anipoison du Québec (CAPQ)Toll-free 1-800-463-5060 (for Quebec only)
 Saskatchewan - Poison and Drug Information Services (PADIS)Toll-free 1-866-454-1212 (for Saskatchewan only) Yukon Territory - Yukon Poison Control Centre - Whitehorse General Hospital(867) 393-8700"

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2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carcinogenicity 1A H350 May cause cancer.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS) (Contd: on page 2)

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- **Hazard pictograms**



GHS08

- **Signal word** *Danger*

- **Hazard-determining components of labeling:**

Quartz (SiO₂)

- **Hazard statements**

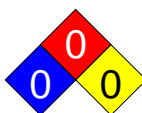
May cause cancer.

- **Precautionary statements**

*Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**Wear protective gloves/protective clothing/eye protection/face protection.**IF exposed or concerned: Get medical advice/attention.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = *0

Fire = 0

Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

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

- **Dangerous components:**

14808-60-7 Quartz (SiO₂)

20–100%

4 First-aid measures

- **Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:**

Call a doctor immediately.

Administer medicinal carbon

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	350 mg/m ³
149-57-5	2-ethylhexanoic acid	15 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	350 mg/m ³

- **PAC-2:**

14808-60-7	Quartz (SiO ₂)	8.3 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	1,800 mg/m ³
149-57-5	2-ethylhexanoic acid	99 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	1,800 mg/m ³

- **PAC-3:**

14808-60-7	Quartz (SiO ₂)	50 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m ³
149-57-5	2-ethylhexanoic acid	590 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m ³

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store in a cool place.
Store in dry conditions.
Protect from frost.
Keep receptacle tightly sealed.
- **Storage class:** 11
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

14808-60-7 Quartz (SiO₂)

PEL	Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /%SiO ₂ +2
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m ³ *respirable particulate matter, A2

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

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.

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

- **Material of gloves**

- Butyl rubber, BR

- Nitrile rubber, NBR

- Recommended material thickness: $\geq 0,5\text{mm}$

- 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.

- **Not suitable are gloves made of the following materials:**

- Strong gloves

- Leather gloves

- Natural rubber, NR

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:**

Solid

- **Color:**

According to product specification

- **Odor:**

Characteristic

- **Odor threshold:**

Not determined.

- **pH-value:**

 $\beta = 0,1\text{g/cm}^3$ in H₂O

- **Change in condition**

- **Melting point/Melting range:**

1,713 °C (35.113 °F)

- **Boiling point/Boiling range:**

Undetermined.

- **Flash point:**

Not applicable.

- **Flammability (solid, gaseous):**

Not determined.

- **Decomposition temperature:**

Not determined.

- **Ignition temperature:**

Product is not selfigniting.

- **Danger of explosion:**

Product does not present an explosion hazard.

- **Explosion limits:**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Vapor pressure at 1732 °C (3,149.6 °F):** 13.5 hPa (10.1 mm Hg)

- **Density at 20 °C (68 °F):**

2.2–2.6 g/cm³ (18.359–21.697 lbs/gal)

- **Bulk density:**

1,400 kg/m³

- **Relative density**

Not determined.

- **Vapor density**

Not applicable.

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· Evaporation rate	Not applicable.
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· Solubility in / Miscibility with	
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· Water:	Not miscible or difficult to mix. Insoluble.
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· Partition coefficient (n-octanol/water):	Not determined.
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· Viscosity:	
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Dynamic:	Not applicable.
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Kinematic:	Not applicable.
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· Solvent content:	
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Organic solvents:	0 %
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VOC content:	0.02–<0.05 %
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Solids content:	100.0 %
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· Other information	No further relevant information available.
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10 Stability and reactivity

- **Reactivity** No further relevant information available.

- **Chemical stability**

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

- **Possibility of hazardous reactions** No dangerous reactions known.

- **Conditions to avoid**

For information on physical and chemical properties (auto-ignition temperature) see item 6.

- **Incompatible materials:** No further relevant information available.

- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

14808-60-7	Quartz (SiO ₂)	1
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- **NTP (National Toxicology Program)**

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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information - 24HR Hotline US: Chemtrec 8004249300 CA: Canutec: 8882268832

- | | |
|----------------------------------------------------------------------------------|------------------------|
| · UN-Number | |
| · DOT, ADN, IMDG, IATA | <i>not regulated</i> |
| · UN proper shipping name | |
| · DOT, ADN, IMDG, IATA | <i>not regulated</i> |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | <i>not regulated</i> |
| · Packing group | |
| · DOT, IMDG, IATA | <i>not regulated</i> |
| · Environmental hazards: | <i>Not applicable.</i> |
| · Special precautions for user | <i>Not applicable.</i> |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | <i>Not applicable.</i> |
| · UN "Model Regulation": | <i>not regulated</i> |

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15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

14808-60-7	Quartz (SiO ₂)	ACTIVE
68649-95-6	Leinölfirnis	ACTIVE
68131-40-8	Alkohole, C11-15, sekundär, ethoxyliert alcohols, C11-15, secondary, ethoxylated	ACTIVE
15956-58-8	2-ethylhexanoic acid, manganese salt	ACTIVE
22464-99-9	2-ethylhexanoic acid, zirconium salt	ACTIVE
64742-48-9	Naphtha (petroleum), hydrotreated heavy	ACTIVE
149-57-5	2-ethylhexanoic acid	ACTIVE
64742-48-9	Naphtha (petroleum), hydrotreated heavy	ACTIVE

· **Hazardous Air Pollutants**

15956-58-8 2-ethylhexanoic acid, manganese salt

· **Proposition 65**

· **Chemicals known to cause cancer:**

14808-60-7 Quartz (SiO₂)

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

14808-60-7 Quartz (SiO₂)

A2

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

14808-60-7 Quartz (SiO₂)

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

Quartz (SiO₂)

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- **Hazard statements**
May cause cancer.
- **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **National regulations:**
- **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Abteilung Umweltschutz
- **Contact:** Hr. Blaesner
- **Date of preparation / last revision** 06/17/2024 / -
- **Abbreviations and acronyms:**
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 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)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 VOC: Volatile Organic Compounds (USA, EU)
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Carcinogenicity 1A: Carcinogenicity – Category 1A
- *** Data compared to the previous version altered.**

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