

Safety Data Sheet
acc. to OSHA HCS

Printing Date 12/05/2019

Revision Number 5

Revision Date 12/05/2019

1 Identification

- **Product identifier**
- **Trade name:** Kalar 5277
- **Article number:** K05277
- **Relevant identified uses of the substance or mixture.** Butyl rubber intermediate base for sealants and tapes
- **Application of the substance / the mixture** Rubber compounding
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Royal Adhesives & Sealants, LLC
4401 Page Avenue. P. O. Box 457
Michigan Center, MI 49254
Information Phone Number: 517-764-0334
- **Information department:** Global Regulatory Department.
- **Emergency telephone number:**
ChemTrec: Day or Night within USA and Canada: 1-800-424-9300.
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product does not meet the criteria for classification as hazardous under the GHS and 29 CFR 1910.1200
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



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

HEALTH	0	Health = 0
FIRE	1	Fire = 1
PHYSICAL HAZARD	0	Physical Hazard = 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 substances in a pellet form.

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Hazardous components:

14807-96-6	Talc (3MgO•4SiO ₂ •H ₂ O)	≤1%
546-93-0	Magnesite	≤1%
1344-95-2	Silicic acid, calcium salt	≤0.5%

Additional information:

All concentrations are in percent by weight unless the ingredient is a gas. Gas concentrations are in percent by volume. Any pigments or fillers in this product which may be considered "Hazardous" are potentially hazardous only if inhaled as an airborne dust. Exposure by these ingredients as used in sealants, putties, bedding compounds and non-sprayable products is highly unlikely. For the wording of the listed risk phrases refer to section 15.

4 First-aid measures

Description of first aid measures

- **General information:** No special measures required.
- **After inhalation:** Overexposure, remove to fresh air and seek medical attention.
- **After skin contact:** Rinse with water.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
Seek medical treatment if eye becomes irritated.
- **After swallowing:** Seek medical treatment.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Använd vatten dimma, torr kemikalie, skum eller koldioxid.
Use fire fighting measures that suit the environment.
- **Advice for firefighters**
- **Protective equipment:** Protective clothing and respiratory protective device.
- **Additional information** Toxic and irritating gases/fumes may be given off during burning or thermal combustion.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Remove mechanically by a method that minimizes the generation of airborne dust (Talc). Collect and place in appropriately marked sealable containers for recovery or disposal.
Dispose of contaminated material as waste in accordance with federal state and local regulations.
- **Reference to other sections** No dangerous substances are released.
- **Protective Action Criteria for Chemicals**

PAC-1:

546-93-0	Magnesite	45 mg/m ³
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· PAC-2:

546-93-0 Magnesite

260 mg/m³

· PAC-3:

546-93-0 Magnesite

1,600 mg/m³

7 Handling and storage

· **Handling:**· **Precautions for safe handling** No special measures required.· **Information about protection against explosions and fires:** No special measures required.· **Conditions for safe storage, including any incompatibilities**· **Storage:**· **Requirements to be met by storerooms and receptacles:** Store in a cool location away from direct heat.· **Information about storage in one common storage facility:** Store away from oxidizing agents.· **Further information about storage conditions:** Keep receptacle tightly sealed.· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data.· **Control parameters**· **Components with limit values that require monitoring at the workplace:****14807-96-6 Talc (3MgO•4SiO₂•H₂O)**PEL Long-term value: 20 mppcf ppm
(containing <1% Quartz)REL Long-term value: 2* mg/m³
respirable dust; and <1% QuartzTLV Long-term value: 2 mg/m³
*as respirable fraction; E**546-93-0 Magnesite**PEL Long-term value: 15* 5** mg/m³
*total dust **respirable fractionREL Long-term value: 10* 5** mg/m³
*total dust **respirable fraction

TLV TLV withdrawn

1344-95-2 Silicic acid, calcium saltPEL Long-term value: 15* 5** mg/m³
*total dust **respirable fractionREL Long-term value: 10* 5** mg/m³
*total dust **respirable fraction

TLV synthetic nonfibrous: TLV withdrawn, see App. B

· **Additional Occupational Exposure Limit Values for possible hazards during processing:**The exposure limit for the Talc dusting agent is 2 mg/m³ (ACGIH TLV). The Talc dusting agent concentration is less than 2%.· **Additional information:** The lists that were valid during the creation were used as basis.

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- **Exposure controls**
- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**
For the talc dusting agent:
In the absence of adequate ventilation, use NIOSH-certified respiratory protection when chemical exposure is excessive or above an established exposure limit. Comply with OSHA 29 CFR 1910.134.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves** If material is heated use leather gloves to protect skin from thermal burns.
- **Eye protection:** Safety glasses with side shields.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Pellets
Color:	Light Amber
Odor:	Characteristic
- **Change in condition**

Melting point:	Undetermined.
Boiling point:	Undetermined
- **Flash point:** > 93 °C (>199.4 °F)
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Specific gravity at 20 °C (68 °F):** 0.91 g/cm³ (7.59395 lbs/gal)
- **Solubility in / Miscibility with**

Water:	Insoluble
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- **Solvent content:**

Organic solvents:	0.0 %
VOC (Per EPA 24)	N/A GMS/L
- **Solids content:** 100.0 %
- **Other information** No further relevant information available.

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** No further relevant information available.
- **Incompatible materials:** Strong oxidizing agents

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· **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

· **Information on toxicological effects**· **Acute toxicity:**· **Primary irritant effect:**· **on the skin:** Talc dust may cause mechanical irritation.· **on the eye:** Talc dust may cause mechanical irritation.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

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

Talc dust may cause mechanical irritation to the skin and eyes.

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

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:** Not known to be hazardous to water.· **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:** Disposal must be made according Federal, State and local regulations.· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

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

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):	
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.	
· Proposition 65	
Please contact H.B. Fuller for more information regarding Proposition 65 on this product: reg.request@hbfuller.com .	
· (DSL) Canada Domestic Substance List	
All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.	
· New Jersey Right-to-Know List:	
546-93-0	Magnesite
1344-95-2	Silicic acid, calcium salt
· New Jersey Special Hazardous Substance List:	
None of the ingredients is listed.	
· Pennsylvania Right-to-Know List:	
1344-95-2	Silicic acid, calcium salt

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· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

14807-96-6	Talc (3MgO•4SiO ₂ •H ₂ O)	A4
1344-95-2	Silicic acid, calcium salt	A4

· **MAK (German Maximum Workplace Concentration)**

14807-96-6	Talc (3MgO•4SiO ₂ •H ₂ O)	3B
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, Royal Adhesives & Sealants makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Royal Adhesives & Sealants or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

· **Department issuing SDS:** Global Regulatory Department.

· **Creation Date:** 08/03/2009

· **Date of preparation / last revision** 12/05/2019 / 4

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

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