

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

1.1. Product identifier

Product form : Mixture
Trade name : Cinch
Product code : S435, various

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only
Use of the substance/mixture : Impression material

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Parkell Inc.
300 Executive Drive
Edgewood, NY 11717
T (631) 249-1134

Authorized Representative in Europe (Regulatory affairs only)
Directa AB
P.O. Box 723, Finvids väg 8
SE-194 27 Upplands Väsby
Sweden

1.4. Emergency telephone number

Emergency number : INFOTRAC 1-352-323-3500 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

No labelling applicable

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quartz	(CAS-No.) 14808-60-7 (EC-No.) 238-878-4 (REACH-no) Not available	< 60	STOT RE 2, H373 (Inhalation;lungs)

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest. Get immediate emergency medical advice/attention.

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. If paste dries, may cause damage to lung (inhalation) through prolonged or repeated exposure.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not classified as flammable but will burn. Combustion may produce irritating fumes.
Explosion hazard	: Product is not explosive.
Reactivity in case of fire	: Stable under normal conditions.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protective equipment for firefighters	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear recommended personal protective equipment. Keep out of reach of children.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper respiratory protection.
Emergency procedures	: Stop leaks if it can be done without personal risk. Ventilate area.

6.2. Environmental precautions

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage and dispose in metal container. Product is slippery when wet.
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6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Provide good ventilation in process area. Avoid dust generation. Avoid breathing dust if paste dries.
Hygiene measures	: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container closed when not in use. To prolong shelf life, store at ambient temperature (72°F - 74°F) or below.
Incompatible materials	: Strong oxidizing agents. Strong acids. Strong alkalis.

7.3. Specific end use(s)

Refer to section 1.

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Quartz (14808-60-7)		
Austria	MAK (mg/m ³)	0.15 mg/m ³ (yearly average, valid till 12/31/2013, the assessment period is one year-alveolar dust, respirable fraction)
Belgium	Limit value (mg/m ³)	0.1 mg/m ³ (alveolar dust)
Bulgaria	OEL TWA (mg/m ³)	0.07 mg/m ³ (respirable fraction)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	0.1 mg/m ³ 0.1 mg/m ³ (regulated under Quartz sand-respirable dust)
Czech Republic	Expoziční limity (PEL) (mg/m ³)	0.1 mg/m ³ (dust)
Denmark	Grænseværdie (langvarig) (mg/m ³)	0.3 mg/m ³ (total) 0.1 mg/m ³ (respirable)
Estonia	OEL TWA (mg/m ³)	0.1 mg/m ³ (respirable dust)
Finland	HTP-arvo (8h) (mg/m ³)	0.05 mg/m ³ (respirable)
France	Local name	Quartz (Silices cristallines)
France	VME (mg/m ³)	0.1 mg/m ³ (fraction alvéolaire)
France	Note (FR)	Valeurs réglementaires contraignantes
Hungary	AK-érték	0.15 mg/m ³ (respirable)
Ireland	OEL (8 hours ref) (mg/m ³)	0.1 mg/m ³ (respirable dust)
Lithuania	IPRV (mg/m ³)	0.1 mg/m ³ (Silicon dioxide variation-respirable fraction)
Netherlands	Grenswaarde TGG 8H (mg/m ³)	0.075 mg/m ³ (respirable dust)
Poland	NDS (mg/m ³)	2 mg/m ³ (>50% free crystalline silica-inhalable fraction) 0.3 mg/m ³ (>50% free crystalline silica-respirable fraction) 4 mg/m ³ (2% to 50% free crystalline silica-inhalable fraction) 1 mg/m ³ (2% to 50% free crystalline silica-respirable fraction)
Portugal	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
Romania	OEL TWA (mg/m ³)	0.1 mg/m ³ (dust, respirable fraction)
Slovakia	NPHV (priemerná) (mg/m ³)	0.1 mg/m ³ (in Cristobalite or Tridymite-total aerosol)
Slovenia	OEL TWA (mg/m ³)	0.15 mg/m ³ (respirable fraction)
Spain	VLA-ED (mg/m ³)	0.05 mg/m ³ (reclassified IARC group 2A to group 1-respirable fraction)
Sweden	nivågränsvärde (NVG) (mg/m ³)	0.1 mg/m ³ (respirable dust)
United Kingdom	Local name	Silica
United Kingdom	WEL TWA (mg/m ³)	0.1 mg/m ³ respirable crystalline
Russian Federation	OEL TWA (mg/m ³)	1 mg/m ³ (quartz glass-disintegration aerosol, total mass of aerosols) 1 mg/m ³ (containing >70% Silicon dioxide in dust-total mass of aerosols)
Norway	Grenseverdier (AN) (mg/m ³)	0.3 mg/m ³ (Dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula-total dust) 0.1 mg/m ³ (Dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula-respirable dust)
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	0.9 mg/m ³ (Dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula, value calculated-total dust) 0.3 mg/m ³ (Dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula, value calculated-respirable dust)
Switzerland	MAK (mg/m ³)	0.15 mg/m ³ (respirable dust)
Australia	TWA (mg/m ³)	0.1 mg/m ³ (respirable dust)

8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation.

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Hand protection:

Not required for normal conditions of use. Impermeable protective gloves if handling spilled material. (to European standard EN 374 or equivalent)

Eye protection:

Chemical goggles or safety glasses if handling spilled material. (to European standard EN 166 or equivalent)

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is required. NIOSH/MSHA approved air purifying respirator should be used if operating conditions produce airborne concentrations that exceed exposure limits for any individual components. If conditions immediately dangerous to life or health exist, use NIOSH/MSHA self contained breathing apparatus (SCBA).

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	: Solid
Appearance	: Paste
Colour	: Purple, tan, green
Odour	: Odourless
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: 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

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Keep separated from incompatible substances. Avoid high heat. Keep out of reach of children.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Combustion may produce irritating fumes.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product components are not classified as environmentally hazardous.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

12.2. Persistence and degradability

Cinch	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Cinch	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

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- Air transport

Not regulated

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Quartz is listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830. Supplier's Safety Data Sheet.

Other information : None.

Full text of H- and EUH-statements:

STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H372	Causes damage to organs through prolonged or repeated exposure.

SDS EU (REACH Annex II)

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