

SECTION 1: IDENTIFICATION

Product Identifier

Product Name DELTA®-SEALANT

Intended Use of the Product

Dampproofing & Wall Waterproofing Membrane Accessory

Proper Shipping Name

TARS, LIQUID, including road oils and cutback bitumen

Name, Address, and Telephone of the Responsible Party

Dörken Products Inc.

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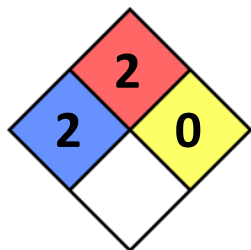
Company Number: (905)- 563-3255

CANUTEC (Canada):613-996-6666

CHEMTREC: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue =Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Label Elements



Hazard Statements

Cause skin irritation – Category 3

Highly flammable liquid – Category 3

Skin Irritation – Category 2

Carcinogenicity – Category 2

Appearance: Viscous

Physical State: Solid

Odor: Strong Solvent

Precautionary Statements – Prevention

Do not handle until all safety precautions have been read and understood

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources

No smoking

Keep container tightly closed

Ground and bond container and receiving equipment

Use explosion-proof electrical, ventilating, lighting equipment

Use non-sparking tools

Take action to prevent static discharge



Wear protective gloves/protective clothing/eye protection/face protection
Wash thoroughly after handling

Precautionary Statements – Response

IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
In case of fire: use dry sand, dry chemical or alcohol-resistant foam for extinction

Precautionary Statements – Response

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified

Not Applicable

Comments

Fillers are encapsulated and not expected to be released from product under normal conditions of use. This product contains quartz (crystalline silica) as a naturally occurring contaminant. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Under normal conditions of use, exposure is not expected to occur.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	% (w/w)
Bitument (petroleum)	(CAS No) 8052-42-4	30.00 – 60.00
White Spirit	(CAS No) 8052-41-3	10.00 – 30.00
Silica Crystalline, quartz	(CAS No) 14808-60-7	0.10 – 1

SECTION 4: FIRST AID MEASURES

Description of first aid measures

- General:** In case of accident or un-wellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.
- Eye Contact:** Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention without delay, if pain persists or recurs seek medical attention.
- Skin Contact:** Wash immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Wash contaminated clothing before reuse.
- Inhalation:** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician.
- Ingestion:** Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.
- Self-protection:** Use personal protective equipment as required.



Most Important Symptoms and Effects Both Acute and Delayed

May cause redness and tearing of the eyes. May cause skin irritation.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Keep victim warm and quiet. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO₂, sand, earth, water spray or regular foam.

Unsuitable: Do not use a solid water stream as it may scatter and spread fire.

Special Hazards Arising From the Substance or Mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

Avoid contamination with oxidizing agents i.e. nitrates, oxidizing acids, chlorine bleaches, pool chlorine etc. as ignition may

Reactivity: Hazardous reactions will not occur under normal conditions.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Remove wall sources of ignition. Ensure adequate ventilation, especially in confined areas.

Environmental Precautions: Collect spillage. Dispose of contents/container to an approved waste disposal plant. Prevent entry into waterways, sewers, basements, or confined areas.

Methods and Materials for Containment and Cleaning Up

For Containment: A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for Cleaning Up: Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Do not place into containers where ignition sources such as cigarettes or other ignition sources may be discarded.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Advice of Safe Handling: Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

Storage Conditions: Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials: Strong acids. Strong oxidizing agents. Strong bases. Many reactions of sulfides with these materials generate heat and in many cases hydrogen gas. Many sulfide compounds may liberate hydrogen sulfide upon reaction with an acid. Avoid reaction with oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines:

Ingredient	TEEL-1	TEEL-2	TEEL-3
Bitumen (petroleum)	30 mg/m ³	30 mg/m ³	2000 mg/m ³
White spirit	300 mg/m ³	1800 mg/m ³	29500 mg/m ³
Silica Crystalline, quartz	0.075 mg/m ³	33 mg/m ³	200 mg/m ³

Ingredient	Original IDLH	Revised IDLH
Bitumen (petroleum)	Not Available	Not Available
White spirit	20,000 mg/m ³	Not Available
Silica Crystalline, quartz	25 mg/m ³ / 50 mg/m ³	Not Available

OSHA PEL Permissible Exposure Limit
NIOSH REL Recommend Exposure Limit

Appropriate Engineering Controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Other Information:

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

- Physical State : paste
- Appearance : black
- Odor : Solvent odor
- Odor Threshold : Not available
- pH : Not available
- Evaporation Rate : Not available
- Melting Point : Not available
- Freezing Point : Not available
- Boiling Point : >154°C / 309°F
- Flash Point : 48°C / 118°F
- Auto-ignition Temperature : 254°C / 489°F
- Decomposition Temperature : Not available
- Flammability (solid, gas) : Not available



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Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity / Density	: 1.1 1.2
Specific Gravity	: Not available
Solubility in water	: Immiscible
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosion Data - Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data - Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No hazardous reactions if stored and handled as prescribed/indicated
Chemical Stability:	Stable under recommended handling and storage conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur under normal processing.
Conditions to Avoid:	Direct sunlight, extremely high temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition.
Incompatible Materials:	Strong acids, strong bases, strong oxidizers.
Hazardous Decomposition Products:	Thermal decomposition can lead to release of irritating and toxic gasses and vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects – Product

Skin Corrosion/Irritation:	Irritating to skin
Serious Eye Damage/Irritation:	Irritating to eyes
Respiratory or Skin Sensitization:	May cause drowsiness or dizziness
Ingestion:	Ingestion may cause adverse effects

Chemical Name	Toxicity	Irritation
Bitumen (petroleum)	Dermal (rabbit) LD 50:>2000 mg/kg ²	Eye: no adverse affect observed (not Irritating)
	Oral (Rat) LD50: >5000 mg/kg ²	Skin: no adverse affects oblseved (no irritating)
White Spirit	Dermal (rabbit) LD50: >3000 mg/kg	Eye (human): 470 ppm/15m
	Inhalation(Rat) LC50: >5.5 mg/14h	Eye (rabbit): 500 mg/24h moderate
	Oral (Rat) LD50: >5000 mg/kg	Eye: no adverse effect observed (not irritating)
		Skin: adverse effect observed (irritating)
	Skin: no adverse effect observed (not irritating)	
silica crystalline - quartz	Oral (Rat) LD50; 500 mg/kg	Not Availabe

Routes of exposure:

- Inhalation – Inhalation of vapours may cause irritation to te nose, throat and respiratory track.
- Ingestion – Ingestion of the product may cause nausea, vomiting and diarrhea.
- Skin contact – May cause irritaion
- Eye contact – Contact may cause eyes irritation.

Acute effects:

Acute oral toxicity – Acute toxicity estimate > 2,000 mg/kg. Virtually nontoxic after a single ingestion

Acute dermal toxicity – LD 50 (rabbit) : > 2,000 mg/kg. Virtually nontoxic after a single skin contact
 Acute inhalation toxicity – Acute toxicity estimate: > 2,000 mg/l Exposure time 4 hours. Virtually nontoxic by inhalation.
 Skin corrosion/irritation – Moderate skin irritation
 Serious eye damage/eye irritation – Mild eye irritation
 Respiratory or skin sensitisation – Non-sensitizing
 Specific target organ toxicity (STOT) single exposure – Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Aspiration hazard – No aspiration hazard expected.

Chronic toxicity/effects:

Specific target organ toxicity (STOT) repeated exposure – Quartz and cristobalite: May cause damage to the organs (lungs) through prolonged or repeated exposure (inhalation). Respirable dust particles containing crystalline silica may be generated by crushing. There are no known hazards associated with this material when used as recommended.

Carcinogenicity – Respirable crystalline silica dust is listed with IARC as Class 1 carcinogen and with NTP as a suspected carcinogen. Prolonged or excessive exposure to silica can cause silicosis. Titanium dioxide is listed as IARC Group 2B (possibly carcinogenic to humans). Exposures to respirable crystalline silica are not expected during normal use of this product. Asphalt is listed as IARC Group 2B (possibly carcinogenic to humans)

Reproductive toxicity – No known significant effects or critical hazards.

Germ cell mutagenicity – No known significant effects or critical hazards.

Remarks – The product has not been tested. The statement has been derived from the properties of individual components.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity – May cause long-term adverse effects in the aquatic environment.

Persistence and degradability – The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Bioaccumulative potential – No data available

Mobility in soil – No data available

Other adverse effects – No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: The disposal of the product must be made in an approved sanitary landfill or in a foundry in accordance with state, provincial and/or federal regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions. Do not reuse container.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT:

Class: 3
UN Number: 1999
Packaging group: III
Hazard label: 3
Description of goods: Tars, Liquid





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In Accordance with TDG:



Class: 3
UN Number: 1999
Label: 3
Packaging group: III
Description of goods: Tars, Liquid

SECTION 15: REGULATORY INFORMATION

Asphalt / Bitumen (petroleum) (CAS No) 8052-42-4
Listed on the United States TSCA (Toxic Substances Control Act) inventory
White Spirit (CAS No) 8052-41-3
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Crystalline silica, quartz (CAS No) 14808-60-7
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Crystalline silica, quartz (CAS No) 14808-60-7	
U.S. - California - Proposition 65 - Carcinogens List	This product contains chemicals known to the State of California to cause cancer.

Canadian Regulations

WHIMIS – This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHIMIS 2015). This Product is WHIMIS 2015 controlled.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Preparation Date: October 31, 2017

Revision Date: March 23, 2022

Party Responsible For The Preparation of This Document

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Disclaimer

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