SECTION 1  IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER/TRADE NAME:
STAR MICRO-PAVE

1.2 RELIVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:
No further relevant information available.
Application of the Substance / the Mixture: Sealcoating for Pavements

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:
Manufacturer/Supplier: Specialty Technology And Research, Incorporated (S.T.A.R., Inc.)
1150 Milepost Drive, Columbus, Ohio 43228
Tel: +1-614-870-0744 • Fax: +1-614-870-0598 • Toll Free +1-800-759-1912
Web Site: www.starseal.com

1.4 EMERGENCY TELEPHONE NUMBER:
ChemTel, Inc.
(800)255-3924, +1(813)248-0585

SECTION 2  HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:
CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008

Health Hazard
Carc. 2 H351 Suspected of causing cancer.
Repr. 1A H360 May damage fertility or the unborn child.

Skin Sens. 1 H317 May cause an allergic skin reaction.

CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/ECC or DIRECTIVE 1999/45/EC

T; Toxic
R60-61: May impair fertility. May cause harm to the unborn child.

Xn; Harmful
R40 Limited evidence of a carcinogenic effect.

Information concerning particular hazards for human and environment:
The product has to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.
Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

2.2 Label Elements
Labeling according to Regulation (EC) No 1272/2008
The product is classified and labeled according to the CLP regulation.

Hazard pictograms

GHS07 GHS08

Signal word Danger

Hazard-determining components of labeling:
Asphalt
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol
Carbon black
Ethanol, 2,2'-iminobis-, N-coco alkyl derivs.

Hazard statements
H317 May cause an allergic skin reaction.
H350 Suspected of causing cancer.
H360 May damage fertility or the unborn child.

Precautionary statements
P261 Avoid breathing mist/vapors/spray.
P281 Use personal protective equipment as required.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of water.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:
Restricted to professional users.

Hazard description:

WHMIS-symbols:
D2A - Very toxic material causing other toxic effects

NFPA ratings (Scale 0-4)

Health = 2
Fire = 1
Reactivity = 0
HMIS ratings (Scale 0-4)

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>*2</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

- Health = *2
- Fire = 1
- Reactivity = 0

* - Indicates a long term health hazard from repeated or prolonged exposures.

HMIS Long Term Health Hazard Substances

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>quartz</td>
<td>14808-60-7</td>
</tr>
<tr>
<td>titanium dioxide</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Asphalt</td>
<td>8052-42-4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>CAS: 8052-42-4</th>
<th>Asphalt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index number: 648-055-00-5</td>
<td>PBT</td>
</tr>
<tr>
<td>T Repr. Cat. 1 R60-61; Xn R40</td>
<td>Carc. Cat. 3</td>
</tr>
<tr>
<td>Carc. 2, H351; Repr. 1A, H360</td>
<td>Carc. 3, H351</td>
</tr>
<tr>
<td>25-50%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 1332-58-7</th>
<th>Kaolin substance with a Community workplace exposure limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC number: 310-194-1</td>
<td>2.5-10%</td>
</tr>
<tr>
<td>1-3%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 1333-86-4</th>
<th>Carbon Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 215-609-9</td>
<td>Xn R40</td>
</tr>
<tr>
<td>Carc. Cat. 3</td>
<td>Carc. 2, H351</td>
</tr>
<tr>
<td>2.5-10%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 14808-60-7</th>
<th>Quartz</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 215-609-9</td>
<td>PBT</td>
</tr>
<tr>
<td>T R23-48/23; Xn R22; Xi R43</td>
<td>Acute Tox. 4, H302; Skin Sens. 1, H317</td>
</tr>
<tr>
<td>2.5-10%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 4719-04-4</th>
<th>2.2,2&quot;- (Hexahydro-1.3.5-Triazine-1.3.5-triyl)triethanol</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 225-208-0</td>
<td>R23-48/23; Xn R22; Xi R43</td>
</tr>
<tr>
<td>Index number: 613-114-00-6</td>
<td>Acute Tox. 4, H302; Skin Sens. 1, H317</td>
</tr>
<tr>
<td>2.5-10%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 61791-31-9</th>
<th>Ethanol, 2.2'-iminobis-, N-coco alkyl derivs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 263-163-9</td>
<td>C R34; Xn R22</td>
</tr>
<tr>
<td>Skin Corr. 1B, H314; Eye Dam. 1, H318</td>
<td>Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>Acute Tox. 4, H302; Skin Sens. 1, H317</td>
<td>≤ 2.5%</td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed risk phrases refer to section 16.

(Continued on page 4)
SECTION 4  FIRST AID MEASURES

4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation:
Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.

After skin contact:
Do not pull solidified product off the skin.
Immediately wash with water and soap and rinse thoroughly.
Remove any clothing soiled by the product.
If skin irritation continues, consult a doctor.

After eye contact:
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions
Slight irritant effect on skin and mucous membranes.
Slight irritant effect on eyes.

Hazards
Carcinogenic.
May damage fertility or the unborn child.
Possible risk of irreversible effects.

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed, gastric irrigation with added, activated carbon.
Contains 2.2'.2"-(Hexahydro-1.3.5-triazine-1.3.5-triyl)triethanol. May produce an allergic reaction.

SECTION 5  FIRE FIGHTING MEASURES

5.1 Extinguishing media

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

For safety reasons unsuitable extinguishing agents: None

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment:
Wear self-contained respiratory protective device.
Wear fully protective suit.

Additional information No further relevant information available

(Continued on page 5)
6.1 Personal precautions, protective equipment and emergency procedures
   Ensure adequate ventilation.
   Wear protective equipment. Keep unprotected persons away.
   For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

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

6.3 Methods and material for containment and cleaning up:
   Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
   Pick up mechanically.
   Dispose contaminated material as waste according to item 13.
   Send for recovery or disposal in suitable receptacles.

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.

7.1 Precautions for safe handling
   Use only in well ventilated areas.
   Open and handle receptacle with care.
   Prevent formation of aerosols.

   Information about fire - and explosion protection: Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities
   Storage:
   Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

   Information about storage in one common storage facility:
   Store away from foodstuffs.
   Store away from oxidizing agents.
   Do not store together with acids.

   Further information about storage conditions:
   Store in cool, dry conditions in well sealed receptacles.
   Protect from frost.

7.3 Specific end use(s) No further relevant information available.
### 8.1 Control parameters

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

#### 8052-42-4 Asphalt

<table>
<thead>
<tr>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL (USA)</td>
<td>Ceiling limit: 5* mg/m³</td>
</tr>
<tr>
<td></td>
<td>*15-min: See Pocket Guide App A</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 0.2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*inh. fraction as benzene-soluble aerosol; BElp</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 0.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Inhalable IARC 2B</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 0.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>fume, as benzene-soluble aerosol, inhalable</td>
</tr>
</tbody>
</table>

#### 1332-58-7 Kaolin

<table>
<thead>
<tr>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 15* 5** mg/m³</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 10* 5** mg/m³</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 2* mg/m³</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 2 mg/m³</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 2(D) mg/m³</td>
</tr>
<tr>
<td></td>
<td>respirable</td>
</tr>
</tbody>
</table>

#### 1333-86-4 Carbon Black

<table>
<thead>
<tr>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 3.5 mg/m³</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 3.5* mg/m³</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 3* mg/m³</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 3 mg/m³</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 3.5 mg/m³</td>
</tr>
</tbody>
</table>

#### 14808-60-7 quartz

<table>
<thead>
<tr>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td>see Quartz listing</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 0.05* mg/m³</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 0.025* mg/m³</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 0.025 mg/m³</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 0.10* mg/m³</td>
</tr>
<tr>
<td></td>
<td>*respirable fraction</td>
</tr>
</tbody>
</table>
DNELs No further relevant information available.
PNECs No further relevant information available.

<table>
<thead>
<tr>
<th>Ingredients with biological limit values:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4 Asphalt</td>
</tr>
<tr>
<td>BEI (USA)</td>
</tr>
<tr>
<td>Medium: urine</td>
</tr>
<tr>
<td>Time: end of shift at end of workweek</td>
</tr>
<tr>
<td>Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)</td>
</tr>
</tbody>
</table>

*Additional information:* The lists valid during the making were used as basis.

### 8.2 Exposure controls

**Personal protective equipment:**

**General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Pregnant women should strictly avoid inhalation or skin contact.

**Respiratory protection:**
Not required under normal conditions of use.
Use suitable respiratory protective device when aerosol or mist is formed.
Use suitable respiratory protective device in case of insufficient ventilation.
For spills, respiratory protection may be advisable.

**Protection of hands:**
Protective gloves

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

**Eye protection:**
Safety glasses

**Body protection:**
Protective work clothing
Limitation and supervision of exposure into the environment
No further relevant information available.

Risk management measures
See Section 7 for additional information.

8.3 Other Information: No further relevant information available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information:
Appearance:
Form.................................................. Heavy Bodied Semi-Fluid Liquid
Color ................................................... Dark Brown
Odor .................................................................. Neutral
Odor Threshold .................................. Not determined
Ph Value.................................................... 7.0 - 8.0

Change in Condition:
Melting point/Melting Range .................. Not Determined
Boiling point/Boiling range .............. >212° F / >100° C
Flash Point.............................................. >200° F / >93° C
Flammability (Solid Gaseous) ............... Not Applicable
Auto/Self-Ignition Temperature ........... Not determined
Decomposition Temperature ................. Not determined
Self-Igniting ........................................... Product is not self-igniting.
Danger of Explosion ............................. Product does not present an explosion Hazard.

Explosion Limits:
Lower .................................................. Not determined
Upper .................................................. Not determined
Vapor Pressure ...................................... Not determined
Density at 20° C ..................................... 1.10 – 1.20 g/cm³
Relative Density ....................................... Not Determined
Vapor Density ......................................... Not Determined
Evaporation Rate .................................... Not Determined
Solubility in/Miscibility with Water ...... Dilutable with water
Partition Coefficient (n-octanol/water) Not Determined
Viscosity:
Dynamic ................................................ Not Determined
Kinematic ................................................ Not Determined

9.2 Other Information: No further relevant information available
SECTION 10  STABILITY AND REACTIVITY

10.1 Reactivity
10.2 Chemical stability
   Thermal decomposition/conditions to be avoided:
   No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions
   Toxic fumes may be released if heated above the decomposition point.
   Reacts with strong oxidizing agents.
   Reacts with strong acids.
10.4 Conditions to avoid:  Store away from oxidizing agents.
10.5 Incompatible materials:  No further relevant information available.
10.6 Hazardous decomposition products:  Carbon monoxide and carbon dioxide

SECTION 11  TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
   Acute toxicity:
   Primary irritant effect:
      On the skin:  Slight irritant effect on skin and mucous membranes.
      On the eye:  Slight irritant effect on eyes.
   Sensitization:  Sensitization possible through skin contact.
   Additional toxicological information:
      The product shows the following dangers according to the calculation method of the General EU
      Classification Guidelines for Preparations as issued in the latest version:
      Suspected of causing cancer.
      May damage fertility or the unborn child.
   Repeated dose toxicity:
      May cause damage to organs through prolonged or repeated exposure.
      Repeated exposures may result in skin sensitivity.
   CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):
      Carc. 2, Repr. 1A

SECTION 12  ECOLOGICAL INFORMATION

12.1 Toxicity
   Aquatic toxicity:
      The product contains materials that are harmful to the environment
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.
   Ecotoxicological effects:
   Remark:
      Due to mechanical actions of the product (e.g. agglutinations) damages may occur.
      The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

SECTION 13 DISPOSAL CONSIDERATION

13.1 Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

Uncleaned packaging: Disposal must be made according to official regulations.
Recommendation cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14 TRANSPORTATION INFORMATION

14.1 UN-Number
DOT, ADR, ADN, IMDG, IATA
Not Regulated

14.2 UN proper shipping name
DOT, ADR, ADN, IMDG, IATA
Not Regulated

14.3 Transport hazard class(es)
DOT, ADR, ADN, IMDG, IATA
Class
Not Regulated

14.4 Packing group
DOT, ADR, IMDG, IATA
Not Regulated

14.5 Environmental hazards:
Marine pollutant:
No

14.6 Special precautions for user:
Not Applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
UN "Model Regulation":
Not applicable.

(Continued on page 11)
### SECTION 15  REGULATORY INFORMATION

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

**United States (USA)**

**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 ingredients are listed.

**Proposition 65 (California):**

**Chemicals known to cause cancer:**

Reference to Carbon Black is based on unbound respirable particles and is not generally applicable to product as supplied.

Reference to Titanium Dioxide is based on unbound respirable particles and is not generally applicable to product as supplied.

Reference to Crystalline Silica and/or Quartz is based on unbound respirable particles and is not generally applicable to product as supplied.

- 8052-42-4 asphalt
- 1333-86-4 carbon black
- 14808-60-7 quartz
- 13463-67-7 titanium dioxide

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

None of the ingredients are 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

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

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical</th>
<th>Carcinogenic Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt</td>
<td>2B</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon Black</td>
<td>2B</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>quartz</td>
<td>1</td>
</tr>
<tr>
<td>9003-01-4</td>
<td>Carbopols</td>
<td>3</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>2B</td>
</tr>
</tbody>
</table>

(Continued on page 12)
TLV (Threshold Limit Value established by ACGIH)

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt</td>
<td>A4</td>
</tr>
<tr>
<td>1332-58-7</td>
<td>Kaolin</td>
<td>A4</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon Black</td>
<td>A4</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>quartz</td>
<td>A2</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titania dioxide</td>
<td>A4</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt</td>
<td>A4</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon Black</td>
<td>A4</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>quartz</td>
<td>A2</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titania dioxide</td>
<td>A4</td>
</tr>
</tbody>
</table>

Canada

Canadian Domestic Substances List (DSL)
All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)
None of the ingredients is listed

Canadian Ingredient Disclosure list (limit 1%)
<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1333-86-4</td>
<td>Carbon Black</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>quartz</td>
</tr>
</tbody>
</table>

Other regulations, limitations and prohibitive regulations
This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Substances of very high concern (SVHC) according to REACH, Article 57
None of the ingredients is listed

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

SECTION 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.

Relevant phrases

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H351 Suspected of causing cancer.
- H360 May damage fertility of the unborn child.
- H400 Very toxic to aquatic life.
- R22 Harmful if swallowed.
- R23 Toxic by inhalation.
- R34 Causes burns.
- R40 Limited evidence of a carcinogenic effect.
R43  May cause sensitisation by skin contact.
R48/23  Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R60  May impair fertility.
R61  May cause harm to the unborn child.

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
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)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Skin Sens. 1: Sensitization - Skin, Hazard Category 1
Muta. 1B: Germ cell mutagenicity, Hazard Category 1B
Muta. 2: Germ cell mutagenicity, Hazard Category 2
Carc. 1B: Carcinogenicity, Hazard Category 1B
Carc. 2: Carcinogenicity, Hazard Category 2
Repr. 1B: Reproductive toxicity, Hazard Category 1B
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Sources
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- END OF SDS -