SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : 169 Non-Fibered Aluminum Roof Coating

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Building and construction work

1.3. Supplier

Manufacturer
Karnak Corporation
330 Central Avenue
Clark, New Jersey 07066 - USA
T +1-800-526-4236
www.karnakcorp.com

1.4. Emergency telephone number

Emergency number : CHEMTREC (US Transportation): (800)424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification
Flam. Liq. 3 : Flammable liquid and vapor
Carc. 2 : Suspected of causing cancer
Repr. 2 : Suspected of damaging fertility or the unborn child
STOT RE 1 : Causes damage to organs (central nervous system) through prolonged or repeated exposure

2.2. GHS Label elements, including precautionary statements

GHS US labeling
Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger
Hazard statements (GHS US) :
- Flammable liquid and vapor
- Suspected of causing cancer
- Suspected of damaging fertility or the unborn child
- Causes damage to organs (central nervous system) through prolonged or repeated exposure

Precautionary statements (GHS US) :
- Obtain special instructions before use.
- 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/Bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
If exposed or concerned: Get medical advice/attention.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>CAS-No.: 8052-42-4</td>
<td>30 – 60</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>CAS-No.: 8052-41-3</td>
<td>15 – 50</td>
</tr>
<tr>
<td>Aluminum</td>
<td>CAS-No.: 7429-90-5</td>
<td>10 – 15</td>
</tr>
<tr>
<td>Kerosine(petroleum),hydrodesulfurized</td>
<td>CAS-No.: 64742-81-0</td>
<td>3 – 7</td>
</tr>
<tr>
<td>Limestone</td>
<td>CAS-No.: 1317-65-3</td>
<td>3 – 7</td>
</tr>
<tr>
<td>Solvent naphtha, petroleum, light aromatic</td>
<td>CAS-No.: 64742-95-6</td>
<td>1 – 5</td>
</tr>
<tr>
<td>Benzene, 1,2,4-trimethyl-</td>
<td>CAS-No.: 95-63-6</td>
<td>1 – 5</td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers)</td>
<td>CAS-No.: 1330-20-7</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash clothing before re-using. Get medical attention if irritation develops and persists.
First-aid measures after eye contact : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea
First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
169 Non-Fibered Aluminum Roof Coating
Safety Data Sheet

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea
Chronic symptoms : Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (central nervous system) through prolonged or repeated exposure.

4.3. Immediate medical attention and special treatment, if necessary
Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media
Unsuitable extinguishing media : Do not use a direct stream of water. Product will float and can spread the fire.

5.2. Specific hazards arising from the chemical
Fire hazard : Flammable liquid and vapor. Products of combustion may include, and are not limited to: oxides of carbon.
Explosion hazard : May form flammable/explosive vapor-air mixture.

5.3. Special protective equipment and precautions for fire-fighters
Firefighting instructions : Water fog and spray are effective in cooling containers and adjacent structures. However, water can cause frothing and/or may not extinguish the fire.
Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
Other information : Product floats on water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition. Use only non-sparking tools.

6.1.1. For non-emergency personnel
No additional information available

6.1.2. For emergency responders
No additional information available

6.2. Environmental precautions
Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
For containment : Remove all sources of ignition. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections
For further information refer to section 8: “Exposure controls/personal protection”.

6/27/2022 (Revision date) EN (English US) 3/13
SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take precautionary measures against static discharge. Do not eat, drink or smoke when using this product. Handle and open container with care. Wear appropriate PPE (see Section 8).

Hygiene measures: Take off immediately all contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep out of the reach of children. Store tightly closed in a dry, cool and well-ventilated place. Store away from clothing and other combustible materials. Sources of ignition. Incompatible materials. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

169 Non-Fibered Aluminum Roof Coating

No additional information available

Solvent naphtha, petroleum, light aromatic (64742-95-6)

No additional information available

Benzene, 1,2,4-trimethyl- (95-63-6)

No additional information available

Xylenes (o-, m-, p- isomers) (1330-20-7)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm] 100 ppm
ACGIH OEL STEL [ppm] 150 ppm
ACGIH chemical category Not Classifiable as a Human Carcinogen

USA - ACGIH - Biological Exposure Indices

BEI (BLV) 1.5 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift

USA - OSHA - Occupational Exposure Limits

Local name Xylenes (o-, m-, p-isomers)
OSHA PEL (TWA) [1] 435 mg/m³
OSHA PEL (TWA) [2] 100 ppm
Regulatory reference (US-OSHA) OSHA Annotated Table Z-1

Asphalt (8052-42-4)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA 0.5 mg/m³ (fume, inhalable particulate matter)
169 Non-Fibered Aluminum Roof Coating

Safety Data Sheet


Asphalt (8052-42-4)

ACGIH chemical category
Not Classifiable as a Human Carcinogen fume, coal tar-free

USA - ACGIH - Biological Exposure Indices

BEI (BLV)
2.5 μg/l Parameter: 1-Hydroxypyrene with hydrolysis - Medium: urine - Sampling time: end of shift at end of workweek (background)
Parameter: 3-Hydroxybenzo(a)pyrene with hydrolysis - Medium: urine - Sampling time: end of shift at end of workweek (nonquantitative)

Stoddard solvent (8052-41-3)

USA - ACGIH - Occupational Exposure Limits

Local name
Stoddard solvent
ACGIH OEL TWA [ppm]
100 ppm
Remark (ACGIH)
TLV® Basis: Eye, skin, & kidney dam; nausea; CNS impair
Regulatory reference
ACGIH 2020

USA - OSHA - Occupational Exposure Limits

Local name
Stoddard solvent
OSHA PEL (TWA) [1]
2900 mg/m³
OSHA PEL (TWA) [2]
500 ppm
Regulatory reference (US-OSHA)
OSHA Annotated Table Z-1

Limestone (1317-65-3)

USA - OSHA - Occupational Exposure Limits

OSHA PEL (TWA) [1]
15 mg/m³ (total dust)
5 mg/m³ (respirable fraction)

Aluminum (7429-90-5)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA
1 mg/m³ (respirable particulate matter)
ACGIH chemical category
Not Classifiable as a Human Carcinogen

USA - OSHA - Occupational Exposure Limits

OSHA PEL (TWA) [1]
15 mg/m³ (total dust)
5 mg/m³ (respirable fraction)

Kerosine(petroleum),hydrodesulfurized (64742-81-0)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA
200 mg/m³ (application restricted to conditions in which there are negligible aerosol exposures-total hydrocarbon vapor (Kerosene/Jet fuels)
ACGIH chemical category
Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route

8.2. Appropriate engineering controls

Appropriate engineering controls
Ensure good ventilation of the work station.
Environmental exposure controls
Avoid release to the environment.
8.3. Individual protection measures/Personal protective equipment

**Hand protection:**
Wear suitable gloves

**Eye protection:**
Safety glasses or goggles are recommended when using product.

**Skin and body protection:**
Wear suitable protective clothing

**Respiratory protection:**
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Other information:**
Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>300 – 350 °F</td>
</tr>
<tr>
<td>Flash point</td>
<td>104 °F</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Flammable liquid and vapor.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&gt; 20.5 mm²/s</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use. Asphalt when heated can release hydrogen sulfide as an unintentional by product.
# 169 Non-Fibered Aluminum Roof Coating

## Safety Data Sheet


## 10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapor-air mixture.

## 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

## 10.4. Conditions to avoid


## 10.5. Incompatible materials


## 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. May release flammable gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Compound</th>
<th>Acute toxicity (oral)</th>
<th>Acute toxicity (dermal)</th>
<th>Acute toxicity (inhalation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha, petroleum, light aromatic (64742-95-6)</td>
<td>Not classified</td>
<td>Not classified</td>
<td>Not classified</td>
</tr>
<tr>
<td>Benzene, 1,2,4-trimethyl- (95-63-6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg body weight</td>
<td>Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)</td>
<td></td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>3400 ppm/4h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers) (1330-20-7)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>3500 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>1100 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asphalt (8052-42-4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>&gt; 94.4 mg/m³ (Exposure time: 4 h)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stoddard solvent (8052-41-3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 3000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>&gt; 5.5 mg/l/4h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminum (7429-90-5)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 15900 mg/kg body weight</td>
<td>Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)</td>
<td></td>
</tr>
</tbody>
</table>
## 169 Non-Fibered Aluminum Roof Coating

### Safety Data Sheet


### Aluminum (7429-90-5)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 inhalation rat</td>
<td>&gt; 0.888 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)</td>
</tr>
</tbody>
</table>

### Kerosine(petroleum),hydrodesulfurized (64742-81-0)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>&gt; 5200 mg/m³ (Exposure time: 4 h)</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation:** Not classified
**Serious eye damage/irritation:** Not classified
**Respiratory or skin sensitization:** Not classified
**Germ cell mutagenicity:** Not classified
**Carcinogenicity:** Suspected of causing cancer.

### Xylenes (o-, m-, p- isomers) (1330-20-7)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

### Asphalt (8052-42-4)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
<td>3 - Not classifiable</td>
</tr>
</tbody>
</table>

### Solvent naphtha, petroleum, light aromatic (64742-95-6)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT single exposure</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
</tbody>
</table>

### Benzene, 1,2,4-trimethyl- (95-63-6)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT single exposure</td>
<td>May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

### Xylenes (o-, m-, p- isomers) (1330-20-7)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT single exposure</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
</tbody>
</table>

### Aluminum (7429-90-5)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOAEL (animal/male, F0/P)</td>
<td>1000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)</td>
</tr>
</tbody>
</table>

### Kerosine(petroleum),hydrodesulfurized (64742-81-0)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOAEL (animal/male, F0/P)</td>
<td>≥ 3000 mg/kg body weight Animal: rat, Animal sex: male</td>
</tr>
</tbody>
</table>

**STOT single exposure:** Not classified

**STOT repeated exposure:** Causes damage to organs (central nervous system) through prolonged or repeated exposure.
### 169 Non-Fibered Aluminum Roof Coating

Safety Data Sheet  

<table>
<thead>
<tr>
<th>Substance</th>
<th>NOAEL (oral, rat, 90 days)</th>
<th>NOAEC (inhalation, rat, vapor, 90 days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, 1,2,4-trimethyl- (95-63-6)</td>
<td>600 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)</td>
<td>1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)</td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers) (1330-20-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOAEL (oral, rat, 90 days)</td>
<td>150 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Asphalt (8052-42-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOAEC (inhalation, rat, dust/mist/fume, 90 days)</td>
<td>0.0207 mg/l air Animal: rat, Guideline: other: OECD 451</td>
<td></td>
</tr>
<tr>
<td>Stoddard solvent (8052-41-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>Causes damage to organs (central nervous system) through prolonged or repeated exposure.</td>
<td></td>
</tr>
<tr>
<td>Aluminum (7429-90-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOAEC (inhalation, rat, dust/mist/fume, 90 days)</td>
<td>0.05 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)</td>
<td></td>
</tr>
<tr>
<td>NOAEL (subchronic, oral, animal/male, 90 days)</td>
<td>1034 mg/kg body weight Animal: dog, Animal sex: male, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)</td>
<td></td>
</tr>
<tr>
<td>NOAEL (subchronic, oral, animal/female, 90 days)</td>
<td>1087 mg/kg body weight Animal: dog, Animal sex: female, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)</td>
<td></td>
</tr>
<tr>
<td>Kerosine(petroleum), hydrodesulfurized (64742-81-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOAEL (oral, rat, 90 days)</td>
<td>750 mg/kg body weight Animal: rat, Animal sex: female</td>
<td></td>
</tr>
<tr>
<td>NOAEC (inhalation, rat, vapor, 90 days)</td>
<td>≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)</td>
<td></td>
</tr>
</tbody>
</table>

Aspiration hazard: Not classified  
Viscosity, kinematic: > 20.5 mm²/s  
Symptoms/effects after inhalation: May cause irritation to the respiratory tract.  
Symptoms/effects after skin contact: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.  
Symptoms/effects after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.  
Symptoms/effects after ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Chronic symptoms: Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (central nervous system) through prolonged or repeated exposure.  
Other information: Likely routes of exposure: ingestion, inhalation, skin and eye.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general: May cause long-term adverse effects in the aquatic environment.

**Solvent naphtha, petroleum, light aromatic (64742-95-6)**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 - Fish [1]</td>
<td>9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)</td>
<td></td>
</tr>
<tr>
<td>EC50 - Crustacea [1]</td>
<td>6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
<td></td>
</tr>
</tbody>
</table>

**Benzene, 1,2,4-trimethyl- (95-63-6)**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 - Fish [1]</td>
<td>7.19 – 8.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
<td></td>
</tr>
</tbody>
</table>
Benzene, 1,2,4-trimethyl- (95-63-6)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 - Crustacea [1]</td>
<td>6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
</tbody>
</table>

Xylenes (o-, m-, p- isomers) (1330-20-7)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 - Fish [1]</td>
<td>2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)</td>
</tr>
<tr>
<td>EC50 - Crustacea [1]</td>
<td>&gt; 3.4 mg/l Test organisms (species): Ceriodaphnia dubia</td>
</tr>
<tr>
<td>LC50 - Fish [2]</td>
<td>2.661 – 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])</td>
</tr>
<tr>
<td>EC50 - Crustacea [2]</td>
<td>0.6 mg/l (Exposure time: 48 h - Species: Gammarus lacustris)</td>
</tr>
<tr>
<td>LOEC (chronic)</td>
<td>3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'</td>
</tr>
<tr>
<td>NOEC chronic fish</td>
<td>&gt; 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'</td>
</tr>
</tbody>
</table>

Kerosine(petroleum),hydrodesulfurized (64742-81-0)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 - Fish [1]</td>
<td>45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
</tr>
<tr>
<td>EC50 - Crustacea [1]</td>
<td>4720 mg/l (Exposure time: 48 h - Species: Denдронередис heteropoda)</td>
</tr>
<tr>
<td>LC50 - Fish [2]</td>
<td>1740 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

169 Non-Fibered Aluminum Roof Coating

Persistence and degradability: Not established.

12.3. Bioaccumulative potential

169 Non-Fibered Aluminum Roof Coating

Bioaccumulative potential: Not established.

Benzene, 1,2,4-trimethyl- (95-63-6)

Partition coefficient n-octanol/water: 3.63

Xylenes (o-, m-, p- isomers) (1330-20-7)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF - Fish [1]</td>
<td>0.6 – 15</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water</td>
<td>2.77 – 3.15</td>
</tr>
</tbody>
</table>

Asphalt (8052-42-4)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF - Fish [1]</td>
<td>(no bioaccumulation expected)</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water</td>
<td>&gt; 6</td>
</tr>
</tbody>
</table>

Kerosine(petroleum),hydrodesulfurized (64742-81-0)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF - Fish [1]</td>
<td>61 – 159</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information: No other effects known.
169 Non-Fibered Aluminum Roof Coating
Safety Data Sheet


SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Additional information: Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No : Not regulated (if shipped in NON BULK packaging by ground transport) per DOT Exemption 173.150(f)(2)
UN-No. (TDG) : Not regulated (if shipped in NON BULK packaging by ground transport) per TDG Exemption 1.33
UN-No. (IMDG) : 1999
UN-No. (IATA) : 1999

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated (if shipped in NON BULK packaging by ground transport) per DOT Exemption 173.150(f)(2)
Proper Shipping Name (TDG) : Not regulated (if shipped in NON BULK packaging by ground transport) per TDG Exemption 1.33
Proper Shipping Name (IMDG) : TARS, LIQUID
Proper Shipping Name (IATA) : TARS, LIQUID

*Flammable for Air and Vessel transportation to non-US territories.

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not regulated
Hazard labels (DOT) : Not regulated

TDG
Transport hazard class(es) (TDG) : Not regulated
Hazard labels (TDG) : Not regulated

IMDG
Transport hazard class(es) (IMDG) : 3
Hazard labels (IMDG) : 3
169 Non-Fibered Aluminum Roof Coating
Safety Data Sheet

IATA
Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3

14.4. Packing group
Packing group (DOT) : Not regulated
Packing group (TDG) : Not regulated
Packing group (IMDG) : III
Packing group (IATA) : III

14.5. Environmental hazards
Other information : No supplementary information available.

14.6. Special precautions for user
Special transport precautions : Do not handle until all safety precautions have been read and understood.
Marine pollutant : Product is not a marine pollutant
Emergency Response Guidebook No. : 130

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Transport per UN1999 TARS LIQUID 3, PG III

SECTION 15: Regulatory information

15.1. US Federal regulations
All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations
No additional information available

15.3. US State regulations

⚠️ WARNING: This product can expose you to Isopropylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information
Issue date : 12/31/2021
Revision date : 6/27/2022
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

Indication of changes:
Transport information. GHS classification.
Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.