SAFETY DATA SHEET
According to OSHA Hazard Communication Standard

SECTION I  IDENTIFICATION

Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>SUBMARINE COOLER COATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>5347/5351/5366</td>
</tr>
<tr>
<td>Recommended Use</td>
<td>Sealant</td>
</tr>
<tr>
<td>Distributor Name</td>
<td>Dial Manufacturing Inc.</td>
</tr>
<tr>
<td>Distributor Address</td>
<td>25 South 51st Avenue, Phoenix, AZ 85403</td>
</tr>
<tr>
<td>Distributor Phone Number</td>
<td>(602) 278-1100</td>
</tr>
</tbody>
</table>

SECTION II  HAZARD IDENTIFICATION

Classification of Substance or Mixture

Classification according to Regulation (EC) No 1272/2008

GHS07 TOXIC

H315 – Causes skin irritation
H319 – Causes serious eye irritation
H335 – May cause respiratory irritation

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Not Applicable

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 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.
### Label elements - Labeling according to Regulation (EC) No 1272/2008

**Hazard Pictogram**

![GHS07 TOXIC](image)

**Single Word**

**WARNING**

**Hazard-determining components of labeling**

Petroleum Asphalt

**Hazard statements**

- H315 – Causes skin irritation
- H319 – Causes serious eye irritation
- H335 – May cause respiratory irritation

**Precautionary statements**

- **P305+P351+P338+P337+P313** 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.
- **P302+P352+P332+P313** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- **P363** Wash contaminated clothing before reuse.
- **P304+P312** IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

**WHMIS-symbols**

![D2B - Toxic material causing other toxic effects](image)

**NFPA Rating**

(Scale 0 - 4)

- HEALTH 1
- FLAMMABILITY 1
- REACTIVITY 0

**HMIS Rating**

(Scale 0 - 4)
SECTION III COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substances</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Petroleum Asphalt</td>
<td>30 - 60%</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>20 - 50%</td>
</tr>
<tr>
<td>NA</td>
<td>Clay</td>
<td>5 - 10%</td>
</tr>
</tbody>
</table>

SECTION IV FIRST-AID MEASURES

Description of First Aid Measure

After inhalation  a) Remove to fresh air.

After skin contact a) Wash skin with soap and water.

After eye contact a) Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

After swallowing a) Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms  No information available

Indication of any immediate medical attention and special treatment needed

Note to physicians  Treat symptomatically
SECTION V  FIRE-FIGHTING MEASURES

Exinguishing media

Suitable extinguishing agents
SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO2, water spray, fire fighting foam, or Halon.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

Unsuitable extinguishing agents
CAUTION: Use of water spray when fighting fire may be inefficient.

Special hazards arising from the substance or mixture

Vapors may form explosive mixture with air. Flammable vapor production at ambient temperature in the open is expected to be minimal unless the oil is heated above its flash point. When heated above flash point and mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back.

Advice for firefighters

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

SECTION VI  ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.
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.

SECTION VII  HANDLING AND STORAGE

Precautions for safe handling

a) Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:
   a) Store in a dry & cool location
   b) Store receptacle in a well ventilated area

Information about incompatible material:
   a) None known based on information supplied.

Specific end use(s)  None

SECTION VIII  EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Asphalt 8052-42-4</td>
<td>TWA: 0.5 mg/m³</td>
<td>-</td>
<td>Ceiling: 5 mg/m³   Fume 15 min</td>
</tr>
</tbody>
</table>

Control Parameters

Good general ventilation should be sufficient to control worker exposure to airborne contaminants & fumes.

Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Exposure Control

General protective and hygienic measures

- Keep away from food, beverages and feed.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

Respiratory protection

- If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hand Protection

- Neoprene, butyle or nitrile rubber glove

Eye Protection

- Safety glasses

Body Protection

- Coverall and apron

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Black</td>
</tr>
<tr>
<td>Color</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Change in condition

<table>
<thead>
<tr>
<th>Melting point/Melting range</th>
<th>Undetermined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point/Boiling range</td>
<td>&gt;100 °C (&gt;212 °F)</td>
</tr>
</tbody>
</table>

Flash point

| >100 °C (>212 °F) |

Flammability (solid, gaseous)

| Non-Flammable |

Ignition temperature

| Not determined |

Decomposition temperature

| Not determined |

Auto igniting

| Product is not self-lighting |
SECTION X STABILITY AND REACTIVITY

Reactivity No specific test data related to reactivity available for this product or its ingredients

Chemical stability Stable

Conditions to avoid Extremes of temperature and direct sunlight

Possibility of hazardous reaction No dangerous reactions known

Incompatible materials None known based on information supplied.

SECTION XI TOXICOLOGICAL INFORMATION

Acute Toxicity

<table>
<thead>
<tr>
<th>Hazardous Ingredient</th>
<th>CAS #</th>
<th>LD 50 (Oral)</th>
<th>LD 50 (Dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Asphalt</td>
<td>8052-42-4</td>
<td>&gt; 5,000 mg/kg (rat)</td>
<td>&gt; 2,000 mg/kg (rat)</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt; 90 ml/kg (rat)</td>
<td>-</td>
</tr>
</tbody>
</table>
Information on toxicological effects

Symptoms
No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization
No information available

Germ cell mutagenicity
No information available

Carcinogenicity
No information available

Reproductive toxicity
No information available

STOT - single exposure
No information available

STOT - repeated exposure
No information available

Aspiration hazard
No information available

Numerical measures of toxicity - Product Information

ATEmix (oral) 8,000.00
ATEmix (dermal) 8,000.00
ATEmix (inhalation-gas) 99,999.00
ATEmix (inhalation-dust/mist) 20.00
ATEmix (inhalation-vapor) 99,999.00

Information on likely routes of exposure

Primary irritant effects

Skin
Skin irritant

Eye
Severely irritating to eyes

Inhalation
May cause irritation

Ingestion
No data available
SECTION XII ECOLOGICAL INFORMATION

Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Behavior on the environmental system

Bioaccumulative potential  
No further relevant information available

Persistence and degradability  
No further relevant information available

Additional Ecological information

Adverse effect on Ozone  
Not Applicable

SECTION XIII DISPOSAL CONSIDERATIONS

Waste treatment methods (Recommendation)

Waste disposal should be in accordance with applicable regional, national and local laws and regulations.

Uncleaned packaging (Recommendations)

Do not reuse

SECTION XIV TRANSPORT INFORMATION

UN-Number

DOT, ADR, IMDG, IATA  
Not Regulated

UN proper shipping name

DOT, IMDG, IATA, ADR  
Not Regulated

Transport hazard class(es)

DOT, ADR, IMDG, IATA  
Not regulated

Packing group

DOT, ADR, MGD, IATA  
Not Applicable

Environmental hazards

Marine pollutant  
No
## SECTION XV REGULATORY INFORMATION

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.
- **Section 311/312**: Listed for acute health hazard
- **TSCA (Toxic Substances Control Act)**: None of the ingredients is listed.

### Clean Water Act
- This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### CERCLA
- This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### Right to Know
- All chemicals listing in accordance with US State Right to Know Regulations

### Pesticide Registration Number
- Not Applicable

### Proposition 65 (California)
- **Chemicals known to cause cancer**: Listed
- **Chemicals known to cause reproductive toxicity for females**: None of the ingredients is 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)**: None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**: None of the ingredients is listed.
- **NIOSH (National Institute for Occupational Safety and Health)**: None of the ingredients is listed.
- **OSHA (Occupational Safety & Health Administration)**: None of the ingredients is listed.

### Canada
- **Canadian Domestic Substances List (DSL)**: None of the ingredients is listed.
- **Canadian Ingredient Disclosure list (limit 0.1%)**: None of the ingredients is listed.
- **Canadian Ingredient Disclosure list (limit 1%)**: None of the ingredients is listed.
Other International Inventories

- TSCA - US Toxic Substances Control Act
  - Complies

- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
  - Complies

- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
  - Complies

- ENCS - Japan Existing and New Chemical Substances
  - Does not comply

- IECSC - China Inventory of Existing Chemical Substances
  - Complies

- KECL - Korean Existing and Evaluated Chemical Substances
  - Complies

- PICCS - Philippines Inventory of Chemicals and Chemical Substances
  - Complies

- AICS - Australian Inventory of Chemical Substances
  - Complies

SECTION XVI  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.

The information and recommendations contained herein are based upon information believed to be reliable. However, manufacturer, supplier(s) and preparer does not guarantee their accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage maybe required. Manufacturer, supplier(s) and preparer assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

END OF SDS