

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard

SDS Number: 5347-15



SECTION I IDENTIFICATION

Product Identifier

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

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.

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

Hazard Pictogram


**GHS07
TOXIC**

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

NFPA Rating
(Scale 0 - 4)HMIS Rating
(Scale 0 - 4)

HEALTH	1
FLAMABILITY	1
REACTIVITY	0

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Other HazardsResults of PBT and vPvB
assessmentPBT: Not applicable
vPvB: Not applicable**SECTION III COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Characterization: Mixture

CAS Number	Substances	%
8052-42-4	Petroleum Asphalt	30 - 60%
7732-18-5	Water	20 - 50%
NA	Clay	5 - 10%

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

Extinguishing 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
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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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum Asphalt 8052-42-4	TWA: 0.5 mg/m ³	-	Ceiling: 5 mg/m ³ Fume 15 min

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

Appearance

Form	Paste
Color	Black

Odor

Odor Threshold	Slight Not Determined
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Change in condition

Melting point/Melting range	Undetermined
Boiling point/Boiling range	>100 °C (>212 °F)

Flash point

Flash point	>100 °C (>212 °F)
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Flammability (solid, gaseous)

Flammability (solid, gaseous)	Non-Flammable
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Ignition temperature

Ignition temperature	Not determined
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Decomposition temperature

Decomposition temperature	Not determined
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Auto igniting

Auto igniting	Product is not self-lighting
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4343

Danger of explosion	Product does not present an explosion hazard
Explosion limits Lower Upper	Not determined Not determined
Vapor pressure	Not determined
Density Relative density Vapor density Evaporation rate	Not determined >1 Not determined (BuAc=1) <.01
Solubility in/Miscibility with Water	Not determined
Partition coefficient (n-octanol/water)	Not determined
Viscosity Dynamic Kinematic	Not determined Not determined
Other information	No further relevant information

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

Hazardous Ingredient	CAS #	LD 50 (Oral)	LD 50 (Dermal)
Petroleum Asphalt	8052-42-4	> 5,000 mg/kg (rat)	> 2,000 mg/kg (rat)
Water	7732-18-5	> 90 ml/kg (rat)	-

Information on toxicological effects

Symptoms	No information available
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available
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Germ cell mutagenicity	No information available
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Carcinogenicity	No information available
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Reproductive toxicity	No information available
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STOT - single exposure	No information available
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STOT - repeated exposure	No information available
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Aspiration hazard	No information available
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Numerical measures of toxicity - Product Information

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

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