

Safety Data Sheet

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

The product is identified as **Dry Wave Fabric Sealer**.

1.2 Recommended and restrictions on use.

This substance or mixture is intended for use in the care and maintenance of boats, yachts, and other marine craft specifically those surfaces of gel coated fibreglass or painted steel.

1.3 Details of the supplier

Company Name:	APEX Marine Coatings
Street:	50 Housatonic Avenue, Stratford, CT 06615
E-mail:	mark@apexmarinecoatings.com
Telephone	1-646-706-3462

1.4 Emergency telephone number

Poison Control Center: 1-800-222-1222 (24 hrs)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226
Asp. Tox. 1; H304
Eye Dam. 1; H318
Skin Irrit. 3; H315
STOT SE 3; H336
STOT RE 1; H372

2.2. Label elements

Hazard components for labelling

aliphatic hydrocarbons Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Titanium tetrabutanolate

Signal Word

Danger

Pictograms



Hazard Statements

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H318	Causes serious eye damage
H315	Causes skin irritation

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H336 May cause drowsiness or dizziness
H372 Causes damage to organs through prolonged or repeated exposure

Precautionary statements

P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection
P264+P265 Wash hands thoroughly after handling. Do not touch eyes.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or with adequate ventilation.
P270 Do not eat, drink or smoke when using this product.
P301+P330+P331+P316 IF SWALLOWED: Rinse mouth. Do **NOT** induce vomiting. **Call Poison Control Centre: 1-800-222-1222**
P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352+P362+P364 IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P317 If skin irritation occurs: Get medical help.
P337+P317 If eye irritation persists: Get medical help.
P370+P378 In case of fire: Use water jet or foam to extinguish.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
64742-48-9	aliphatic hydrocarbons			75 - < 100 %
	927-241-2		01-2119471843-32	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H336 H304 H412 EUH066			
	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			1 - < 5 %
	919-446-0		01-2119458049-33	
	Flam. Liq. 3, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H372 H304 H411			
5593-70-4	Titanium tetrabutanolat			1 - < 5 %
	227-006-8		01-2119967423-33	
	Flam. Liq. 3, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H315 H318 H335 H336			

3.2 Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	

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64742-48-9	927-241-2	aliphatic hydrocarbons	75 - < 100 %
		inhalation: LC50 = >4950 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	
	919-446-0	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	1 - < 5 %
		inhalation: LC50 = >13000 mg/l (vapours); dermal: LD50 = >3400 mg/kg; oral: LD50 = >15000 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If victim is at risk of losing consciousness, position and transport on their side. Remove affected person from the danger area and lay down.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm

After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes. After cleaning apply high-fat content skin care cream.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Do NOT induce vomiting.

Have victim drink large quantities of water, with active charcoal if possible.

In case of accident or unwellness, Do **NOT** induce vomiting. **Call Poison Control Centre: 1-800-222-1222** (show directions for use or safety data sheet if possible).

4.2. Most important symptoms and effects, both acute and delayed

Following inhalation, the following symptoms may occur: Headache. Dizziness. Nausea. Sweating. drowsiness.

4.3. Indication of any immediate medical attention and special treatment needed

Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, Extinguishing powder. Water spray. Atomized water. Carbon dioxide (CO2).

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

Hydrocarbons, aliphatic, Siloxane, Pyrolysis products, toxic.

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

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5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

In case of fire and/or explosion do not breathe fumes. Burning produces heavy smoke.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Ventilate affected area.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal. Ventilate affected area

6.4 Reference to other sections

Vapours are heavier than air and will spread at floor level

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation of aerosol. Ventilate affected area.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

Advice on general occupational hygiene

Do not breathe gas/vapour.

Avoid eye contact and skin contact.

Work in well-ventilated zones or use proper respiratory protection.

Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Oxidizing agents.

Further information on storage conditions

Recommended storage temperature up to °C 30°. Keep container tightly closed.

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7.3 Specific end use(s)

This substance or mixture is intended for use in the care and maintenance of boats, yachts, and other marine craft specifically those surfaces of gel coated fibreglass or painted steel

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values.

To date, no national critical limit values exist.

8.2. Exposure controls / personal protection

Individual protection measures, such as personal protective equipment.

Eye/face protection

Recommendation: bottling and transfer. Tightly sealed safety glasses.

Hand protection

Suitable material:

Neoprene, NR (Natural rubber (Caoutchouc), Natural latex), CR (polychloroprenes, Chloroprene rubber), NBR (Nitrile rubber).

Skin protection

Body protection not required.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Color	Clear colorless
Odor	Product-specific
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range	136-164 °C
Flammability	not determined
Lower explosion limits:	0.5 vol. %
Upper explosion limits:	6 vol. %
Flash point:	29 °C
Auto-ignition temperature:	>200 °C
Decomposition temperature:	not determined
pH-Value (at 20 °C):	not applicable
Water solubility:	virtually insoluble
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure (at 20 °C)	0.7 hPa
Density (at 20 °C)	0.75-0.78 g/cm ³
Relative vapour density	not determined

9.2. Other information

Information regarding physical hazard classes

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Explosive properties	In use, may form flammable/explosive vapour-air mixture
Sustaining combustion	No data available
Self-ignition temperature	
Solid:	not applicable
Gas	Not determined
Oxidizing properties	not oxidizing
Other safety characteristics	
Evaporation rate	not determined
Solvent separation test	not determined
Solvent content	95.5%
Viscosity / dynamic:	not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No risks worthy of mention.

10.4. Conditions to avoid

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

10.5. Incompatible materials

Oxidizing agents, strong

10.6. Hazardous decomposition products

In case of fire may be liberated: Gases/vapours, toxic.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

ATE mix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-48-9	aliphatic hydrocarbons				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 >4950 mg/l	Rat		

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)				
	oral	LD50 >15000 mg/kg	Ratte	MSDS	OECD 401
	dermal	LD50 >3400 mg/kg	Kanninchen	MSDS	
	inhalation (4 h) vapour	LC50 >13000 mg/l	Ratte	MSDS	

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (aliphatic hydrocarbons)

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)).

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Has de-greasing effect on the skin. After cleaning apply high-fat content skin care cream

SECTION 12: Ecological information

Not required by OSHA HCS.

Contact APEX Marine Coatings for additional information.

SECTION 13: Disposal considerations

Not required by OSHA HCS.

Dispose in accordance with applicable regulations. Do not discharge to sewer. Refer to Section 8 for exposure controls.

SECTION 14: Transport information

Not required by OSHA HCS.

Contact APEX Marine Coatings for additional information.

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SECTION 15: Regulatory information

Not required by OSHA HCS.

SECTION 16: Other information

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