9.XF500 MARINE FINE COMPOUND

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard
Issue date: 02/06/2025 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Trade name	:	XF-500 MARINE FINE COMPOUND
Product code	:	9.XF500
Synonyms	:	9.XF500 - 9.XF500/4L

1.2. Recommended use and restrictions on use

Recommended use	:	Abrasive and polishing compound
Restrictions on use	:	None

1.3. Supplier

Rupes USA, Inc.
531 South Taylor Ave
Louisville, CO
USA
T +1 (877) 224-5750
info_rupes@rupes.it

1.4. Emergency telephone number

Emergency number	:	+1 (877) 224-5750 (8am-5pm MT)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 4	H227	Combustible liquid

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Signal word (GHS US)	:	Warning
Hazard statements (GHS US)	:	H227 - Combustible liquid
Precautionary statements (GHS US)	:	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 - Wear protective gloves. P370+P378 - In case of fire: Use carbon dioxide (CO2), extinguishing powder, foam to extinguish. P403+P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Non-Hazardous Ingredients	CAS-No.: Mixture	75 – 90
Hydrocarbons, C10-C12, isoalkanes, <2% aromatics	CAS-No.: Mixture	5 – 10
Hydrocarbons, C12-C16, isoalkanes, <2% aromatics	CAS-No.: Mixture	5 – 10
C11-13 ISOPARAFFIN	CAS-No.: 246538-78-3	1 - 5

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : No particular/specific measures required.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur.
First-aid measures after skin contact : Wash skin with plenty of water. Get medical advice if skin irritation persists.
First-aid measures after eye contact : Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

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

Inhalation : No adverse effects expected under normal conditions of use. May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin : No adverse effects expected under normal conditions of use. May cause slight irritation to the skin.
Eyes : No adverse effects expected under normal conditions of use. May cause minor eye irritation.
Ingestion : No adverse effects expected under normal conditions of use. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Most Important Symptoms/Effects : May cause minor irritation to the respiratory tract and to other mucous membranes. May cause minor eye irritation. May cause slight irritation to the skin. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms : No chronic health hazards are likely for this material.

4.3. Immediate medical attention and special treatment, if necessary

Not required. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Carbon dioxide (CO_2). Dry powder. Foam. Water spray.
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid. Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO_2). Hydrocarbon.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Keep unnecessary and unprotected personnel away from the spillage.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not touch or walk on the spilled product.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Wipe up with absorbent material (for example cloth). Notify authorities if product enters sewers or public waters.

Other information : Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Wash hands with water and soap. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep away from ignition sources.

Incompatible materials : Strong oxidizers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

9.XF500

No additional information available

Non-Hazardous Ingredients (Mixture)
No additional information available

Hydrocarbons, C10-C12, isoalkanes, <2% aromatics (Mixture)	
USA - ACGIH - Occupational Exposure Limits	
Local name	As Oil mist
ACGIH OEL TWA	5 mg/m³ inhalable
USA - OSHA - Occupational Exposure Limits	
OSHA PEL (TWA)	5 mg/m³ Refined mineral oil, mist

C11-13 ISOPARAFFIN (246538-78-3)
No additional information available

Hydrocarbons, C12-C16, isoalkanes, <2% aromatics (Mixture)	
USA - ACGIH - Occupational Exposure Limits	
Local name	As Oil mist
ACGIH OEL TWA	5 mg/m³ inhalable
USA - OSHA - Occupational Exposure Limits	
OSHA PEL (TWA)	5 mg/m³ Refined mineral oil, mist

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure adequate ventilation.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Not required for normal conditions of use. Handling product in bulk: Wear suitable gloves

Eye protection:

Not required for normal conditions of use. Handling product in bulk: Use suitable eye protection

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Not required for normal conditions of use. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Thermal hazard protection:
Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Viscous liquid.
Color : White

Odor	:	Characteristic
Odor threshold	:	No data available
pH	:	8.5 – 9.5
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	90 °C
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Combustible liquid.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	0,953 g/cm3
VOC % (w/w)	:	11,25%
VOC % (v/v)	:	21,70%
Solubility	:	partly miscible.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	> 20.5 mm²/s 40°C
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	Product is not explosive.
Oxidizing properties	:	Not oxidising.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Combustible liquid. The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition. Direct sunlight.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified

Acute toxicity (inhalation) : Not classified

Hydrocarbons, C10-C12, isoalkanes, <2% aromatics (Mixture)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402 method)
LD50 dermal rabbit	≥ 3160 mg/kg body weight (OECD 402 method)

Hydrocarbons, C12-C16, isoalkanes, <2% aromatics (Mixture)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402 method)
LD50 dermal rabbit	≥ 3160 mg/kg body weight (OECD 402 method)

Skin corrosion/irritation : Not classified
pH: 8.5 – 9.5

Serious eye damage/irritation : Not classified
pH: 8.5 – 9.5

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified. This product does not contain any component that is considered a carcinogen by IARC, ACGIH, OSHA or NTP.

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Hydrocarbons, C10-C12, isoalkanes, <2% aromatics (Mixture)	
NOAEL (oral,rat,90 days)	> 1000 mg/kg body weight (OECD 408 method)
NOAEC (inhalation,rat,vapor,90 days)	> 10.4 mg/l air (OECD 413 method)

Hydrocarbons, C12-C16, isoalkanes, <2% aromatics (Mixture)	
NOAEL (oral,rat,90 days)	> 1000 mg/kg body weight (OECD 408 method)
NOAEC (inhalation,rat,vapor,90 days)	> 10.4 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Aspiration hazard : Not classified

Viscosity, kinematic : > 20.5 mm²/s 40°C

Hydrocarbons, C12-C16, isoalkanes, <2% aromatics (Mixture)	
Viscosity, kinematic	3.21 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

Inhalation : No adverse effects expected under normal conditions of use. May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin : No adverse effects expected under normal conditions of use. May cause slight irritation to the skin.

Eyes : No adverse effects expected under normal conditions of use. May cause minor eye irritation.

Ingestion : No adverse effects expected under normal conditions of use. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Most Important Symptoms/Effects : May cause minor irritation to the respiratory tract and to other mucous membranes. May cause minor eye irritation. May cause slight irritation to the skin. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : No chronic health hazards are likely for this material.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects. Avoid release to the environment.

Hydrocarbons, C10-C12, isoalkanes, <2% aromatics (Mixture)	
LC50 - Fish [1]	> 1000 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna (Water flea)

Hydrocarbons, C12-C16, isoalkanes, <2% aromatics (Mixture)	
LC50 - Fish [1]	> 1000 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna (Water flea)

12.2. Persistence and degradability

9.XF500	
Persistence and degradability	Biodegradable.

Hydrocarbons, C10-C12, isoalkanes, <2% aromatics (Mixture)	
Persistence and degradability	Biodegradable.

Hydrocarbons, C12-C16, isoalkanes, <2% aromatics (Mixture)	
Persistence and degradability	Biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Dispose of in accordance with applicable federal, state, and local regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
NA1993	Not applicable	Not applicable
14.2. Proper Shipping Name		
Combustible liquid, n.o.s. (Hydrcarbons)	Not applicable	Not applicable

DOT	IMDG	IATA
14.3. Transport hazard class(es)		
Combustible liquid	Not applicable	Not applicable
14.4. Packing group		
III	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment: No	Not applicable	Not applicable
No supplementary information available		

14.6. Special precautions for user

DOT

UN-No.(DOT) : NA1993

DOT Special Provisions (49 CFR 172.102) : 148 - For domestic transportation, this entry directs to § 173.66 for: a. The standards for transporting a single bulk hazardous material for blasting by cargo tank motor vehicles (CTMV); and b. The standards for CTMVs capable of transporting multiple hazardous materials for blasting in bulk and non-bulk packagings (i.e, a multipurpose bulk truck (MBT)).
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

DOT Vessel Stowage Location : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

9.XF500	
SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:		
Hydrocarbons, C10-C12, isoalkanes, <2% aromatics	CAS-No. Mixture	5 – 10%
C11-13 ISOPARAFFIN	CAS-No. 246538-78-3	1 - 5%
Hydrocarbons, C12-C16, isoalkanes, <2% aromatics	CAS-No. Mixture	5 – 10%

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

9.XF500
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

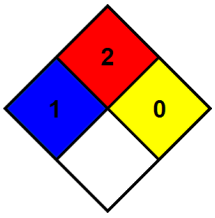
According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Full text of H-phrases	
H227	Combustible liquid

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 1 Slight Hazard

Flammability : 2 Moderate Hazard

Physical : 0 Minimal Hazard

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.