

Safety Data Sheet Sharkhide Metal Protectant

SDS Revision
Date: 11/11/2022

1. Identification

1.1. Product identifier

Product Identity Sharkhide Metal Protectant

Alternate Names Sharkhide Metal Protectant

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet. This document prepared for

Company Name Flatwater Inc.
1169 OLD VINCENNES TR
OFALLON IL 62269

Customer Service: Flatwater Inc. 618-624-4091

2. Hazard(s) identification

2.1. Classification of the substance or mixture

| | |
|--------------------|------------------------------------------------------------------------------------------------------------|
| Flam. Liq. 2;H225 | Highly Flammable liquid and vapor. |
| Acute Tox. 5;H313 | May be harmful in contact with skin. (Not adopted by US OSHA) |
| Acute Tox. 4;H332 | Harmful if inhaled. |
| Skin Irrit. 2;H315 | Causes skin irritation. |
| Eye Irrit. 2;H319 | Causes serious eye irritation. |
| Repr. 2;H361D | Suspected of damaging the unborn child. |
| STOT SE 3;H336 | May cause drowsiness or dizziness. |
| STOT RE 2;H373 | May cause damage to organs through prolonged or repeated exposure. Specific Target Organs: (Not Available) |
| Asp. Tox. 1;H304 | May be fatal if swallowed and enters airways. |

2.2. Label elements



Danger

H225 Highly flammable liquid and vapor.

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H304 May be fatal if swallowed and enters airways.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness and dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

[Prevention]:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P233 Keep container tightly closed.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P308+313 IF exposed or concerned: Get medical advice / attention.
P314 Get Medical advice / attention if you feel unwell.
P321 Specific treatment (see information on this label).
P331 Do NOT induce vomiting.
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

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P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|--------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------|--------|
| Toluene CAS Number: 0000108-88-3 | 25 - 50 | Flam. Liq. 2;H225 Repr. 2;H361d Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315 STOT SE 3;H336 | [1][2] |
| Xylene CAS Number: 0001330-20-7 | 25 - 50 | Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 | [1][2] |
| Modified Alkyd Resin CAS Number: Proprietary | 1 - 5 | Not Provided | [1] |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion

Do not induce vomiting, give plenty of water. Seek medical attention.

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

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| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overview | <p>Avoid contact with eyes and skin. Chronic overexposure to solvents may cause permanent brain or nervous system damage. Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.</p> <p>Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.</p> |
| Inhalation | Harmful if inhaled. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. |
| Eyes | Causes serious eye irritation. |
| Skin | May be harmful in contact with skin. Causes skin irritation. |

Section 5. Fire-fighting measures

5.1. Extinguishing media

CO2, Dry Chemical, Foam, Water Fog or Spray. Do Not Use Water Jet!

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Solvent vapors are heavier than air and will spread along the ground. Vapor may accumulate in low or confined areas.

Use water fog or spray to cool containers.

Keep away from heat, sparks and open flame. Do not smoke. Vapors may spread long distances and accumulate in low areas. Vapors may ignite. USE ONLY WITH ADEQUATE VENTILATION. Refer to OSHA regulations 29 CFR 1910.94, 1910.107, 1910.108 for details.

ERG Guide No. 128

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

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6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Absorb and dispose of in accordance with local applicable regulations. Refer to OSHA storage requirements, 29 CFR 1910.106.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Keep closures tight and upright to prevent leakage. Keep container closed when not in use. Store below 100 degrees F. Do not incinerate closed containers as they may explode when exposed to extreme heat or fire. Ground and bond drum when transferring product.

Incompatible materials: Explosives, UN class 2.3 gasses, oxidizing substances, organic peroxides, and toxic/biohazardous substances.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

Section 8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|----------------------|--------|----------------------------------------------------------------------------|
| 0000108-88-3 | Toluene | OSHA | TWA (OSHA) 200 ppm C 300 ppm 500 ppm (10-minute maximum peak) STEL 150 ppm |
| | | ACGIH | TWA: 20 ppm |
| | | NIOSH | TWA 100 ppm (375 mg/m ³) ST 150 ppm (560 mg/m ³) |
| 0001330-20-7 | Xylene | OSHA | STEL 150 ppm |
| | | ACGIH | TWA: 100 ppm STEL: 150 ppm |
| | | NIOSH | No Established Limit |
| Proprietary | Modified Alkyd Resin | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |

8.2. Exposure

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controls

Respiratory

Avoid breathing of vapor or spray mist. Use paint spray mask and approved chemical-mechanical filter. In enclosed or confined areas use NIOSH/MSHA approved air respirators. Refer to OSHA Personal Protective Equipment Standards, 29 CFR 1910 Subpart 1.

Eyes

Wear splash-proof goggles to prevent eye contact.

Skin

Wear impervious clothing, footwear and equipment including gloves to avoid skin contact. Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------------------------|----------------------------------------------------------------------------|
| Appearance | Liquid |
| Odor | Not Provided. |
| Odor threshold | Not determined |
| pH | Not Measured |
| Melting point / freezing point | Not Measured |
| Initial boiling point and boiling range | 231 °F, 231-279 °F |
| Flash Point | 40 °F, TCC |
| Evaporation rate (Ether = 1) | Slower |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: 1.0 % Upper Explosive Limit: 7.1 % |
| Vapor pressure (Pa) | 3.2 kPA (24 mm Hg) (@ 20 ° C) |
| Vapor Density | Heavier than air |
| Specific Gravity | 0.89 |
| Solubility in Water | Negligible |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | 809 °F |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | Not Measured |

9.2. Other information

No other relevant information.

Section 10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid high temperatures, heating, etc.

10.5. Incompatible materials

Explosives, UN class 2.3 gasses, oxidizing substances, organic peroxides, and toxic/biohazardous substances.

10.6. Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Section 11. Toxicological information

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|--------------------------------------|------------------------------------|--------------------------------------------|---------------------------------|-------------------------------------|--------------------------------------|
| Toluene - (108-88-3) | 5,580.00, Rat - Category: NA | > 5,000.00, Rabbit - Category: NA | --- | --- | --- |
| Xylene - (1330-20-7) | 4,299.00, Rat - Category: 4 | 1,548.00, Rabbit - Category: 4 | --- | 20.00, Rat - Category: NA | 5,000.00, Rat - Category: 4 |
| Modified Alkyd Resin - (Proprietary) | --- | --- | --- | --- | --- |

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Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|----------------------|--------|---------------------------------------------------------------------|
| 0000108-88-3 | Toluene | OSHA | Regulated Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0001330-20-7 | Xylene | OSHA | Regulated Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| Proprietary | Modified Alkyd Resin | OSHA | Regulated Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

| Classification | Category | Hazard Description |
|-------------------------------|----------|--------------------------------------------------------------------|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | 5 | May be harmful in contact with skin. (Not adopted by US OSHA) |
| Acute toxicity (inhalation) | 4 | Harmful if inhaled. |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Serious eye damage/irritation | --- | Not Applicable |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | 2 | Suspected of damaging the unborn child. |
| STOT-single exposure | 3 | May cause drowsiness or dizziness. |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | 2 | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | 1 | May be fatal if swallowed and enters airways. |

Section 12. Ecological information

12.1. Toxicity

Toxic to aquatic life

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|----------------------|----------------------------|----------------------------|-------------------------------------|
| Toluene - (108-88-3) | 5.50, Oncorhynchus kisutch | 3.78, Ceriodaphnia dubia | 10.00 (72 hr), Skeletonema costatum |
| Xylene - (1330-20-7) | 3.30, Oncorhynchus | 8.50, Palaemonetes | 100.00 (72 hr), Chlorococcales |

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| | | | |
|--------------------------------------|---------------|---------------|---------------|
| | mykiss | pugio | |
| Modified Alkyd Resin - (Proprietary) | Not Available | Not Available | Not Available |

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

Section 13. Disposal considerations

13.1. Waste treatment methods

Destroy by liquid incineration. Use absorbent material and deposit in toxic landfill in accordance with local, state, and federal regulations.

Section 14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|-------------------------------------------|---------------------------------------|----------------------------------------------|---------------------|
| 14.1. UN number | UN1263 | UN1263 | UN1263 |
| 14.2. UN proper shipping name | Paint | Paint | Paint |
| 14.3. Transport hazard class(es) | DOT Hazard Class: 3 | IMDG: 3 Sub Class: Not Applicable | Air Class: 3 |
| 14.4. Packing group | II | II | II |
| 14.5. Environmental hazards | IMDG Marine Pollutant: No; | | |
| 14.6. Special precautions for user | No further information | | |

Section 15. Regulatory information

Regulatory Overview

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance

All components of this material are either listed or exempt from listing on the

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Control Act (TSCA) TSCA Inventory.

US EPA Tier II Hazards

Fire: Yes

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): Yes

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Ethyl Benzene

Toluene

Xylene

Proposition 65 - Carcinogens (>0.0%):

Ethyl Benzene

Proposition 65 - Developmental Toxins (>0.0%):

Toluene

Proposition 65 - Female Repro Toxins (>0.0%):

Toluene

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:



WARNING: This product can expose you to chemicals including [Ethyl Benzene], which is known to the State of California to cause cancer, and [Toluene], which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Section 16. Other information

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The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness and dizziness.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

The information contained herein is furnished without warranty of any kind. The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

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