



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EXO SHIELD and APITONG OIL All Colors Product Code: NS-All Colors

MANUFACTURER

Nova USA Wood Products LLC
3821 24th Ave
Forest Grove, OR 97116

INFORMATION PHONE: (503) 419-6407

24 HR. EMERGENCY TELEPHONE NUMBERS
CHEMTEC: (800) 424-9300

2. HAZARDS IDENTIFICATION

Warning!

EMERGENCY OVERVIEW:

Harmful if swallowed. Also harmful by inhalation and in contact with skin. Avoid eye contact with vapor, spray, or mist. Avoid skin contact. Avoid breathing of vapors. Do not eat, drink, or smoke when using this product. Wash exposed areas thoroughly with soap and water. Flammable liquid and vapor.

EMERGENCY OVERVIEW

GHS Ratings:

Flammable liquid 3 Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)

GHS Hazards

H226 Flammable liquid and vapour

GHS Precautions

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
P280	Wear protective gloves/protective clothing/eye protection/face protection
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P370+P378	In case of fire: Use ... for extinction
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in accordance with local and national regulations.

Signal Word: Warning



3. COMPOSITION/INFORMATION

Chemical Name	CAS number	Weight Concentration %
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	36.00%
4-Chlorobenzotrifluoride	98-56-6	22.00%

4. FIRST AID MEASURES

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

Remove contaminated clothing/shoes. Flush skin with water for at least 15 minutes. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

DO NOT INDUCE VOMITING. Do not attempt to give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

If more than 2.0 ml per kg has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victims' head below hips to prevent aspiration.

5. FIRE FIGHTING MEASURES

Flash Point: 41 C (106 F)

LEL:

UEL:

Use water fog, "alcohol" foam, dry chemical, or CO₂.

When heated above the flash point, this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Carbon monoxide and unidentified organic compounds may be formed during combustion.

WARNING! Flammable Liquid. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:

WARNING! Flammable. Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Only specially trained or qualified personnel should handle the emergency.

Stop the flow of material, if this is without risk. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Keep away from heat, sparks, and flame. Surfaces that are hot may ignite even liquid products in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

COMMENTS: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	Not Established	Not Established	Not Established
4-Chlorobenzotrifluoride 98-56-6	Not Established	Not Established	Not Established

Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.

EYES AND FACE:

Chemical splash goggles and face shield in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist.)

SKIN:

Wear chemical resistant gloves such as: Poly Vinyl Alcohol (PVA), Viton, or Teflon gloves or consult your safety equipment supplier. Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The equipment must be cleaned thoroughly after each use.

RESPIRATORY:

If exposure may or does exceed occupational exposure limits use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

PROTECTIVE CLOTHING:

Where splashing is possible, full chemically resistant protective clothing and boots are required.

WORK HYGIENIC PRACTICES:

Use good personal hygiene when handling this product. Wash hands after use before eating, drinking, smoking or using the toilet.

OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

If clothing is contaminated, discard or launder.

9. PHYSICAL AND CHEMICAL PROPERTIES

Liquid

<p>Appearance Translucent color.</p> <p>Physical State Liquid</p> <p>Evaporation Rate Slower than ether.</p> <p>Specific Gravity (SG) 0.979</p>	<p>Odor Pungent odor</p> <p>Vapor Density Heavier than air.</p> <p>Boiling Point 139 °C</p> <p>Lbs VOC/Gallon Less Water & Exempt 0.02</p>
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10. STABILITY AND REACTIVITY

STABLE

Oxygen and strong oxidants. Will dissolve or soften some plastics and rubber.

Carbon monoxide and unidentified organic compounds may be formed during combustion. There should be no decomposition if stored and applied as directed.

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION**Mixture Toxicity****Component Toxicity**

64742-88-7 Solvent naphtha (petroleum), medium aliphatic
Dermal LD50: 4,000 mg/kg (RABBIT)

Toxicological testing has not been conducted with this material.

POTENTIAL HEALTH EFFECTS**EYES:**

Liquid is moderately irritating to the eyes. High vapor concentrations may also be irritating. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness.

SKIN: Liquid is mildly irritating to the skin. Prolonged or repeated contact can result in defatting and dryig of the skin which may result in skin irritation and dermatitis (rash).

INGESTION:

Liquid is moderately toxic and may be harmful if swallowed; may produce CNS depression. Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

INHALATION:

High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

Effects of Overexposure

Carcinogenicity:

NTP Carcinogen: No

IARC Monographs: No

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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IMMEDIATE CONCERNS: WARNING! Flammable liquid and vapor. Harmful or fatal if swallowed. Vapor harmful. May cause central nervous system depression. May be irritating to eyes and skin.

MEDICAL CONDITIONS AGGRAVATED:

Persons with pre-existing skin, eye, or central nervous system disorders, or impaired liver, kidney, or pulmonary function may be susceptible to the effects of this substance.

COMMENTS:

Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

This material is toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment.

Component Ecotoxicity

Solvent naphtha (petroleum),
medium aliphatic

LC50 (Fish, 96hr) 45mg/litre emulsified, 18-20mg/litre – water soluble (Pimephelas promelas) NOTE: Mineral spirits is essentially water insoluble. The above tests recognize this. The 1st test emulsified the product, the 2nd equilibrated it with water, then tested.
LC50 (Crustacea, 48hr) 1.4, 1.9, 3-10, 21 & 40-89mg/litre (Daphnia magna)¹
LC50 (Algae, 72hr) 1-3, 4.3, 5.0, 8.3 & 10-30mg/litre (Pseudokirchnerella subcapitata)¹
LC50 (Bacteria) 678mg/litre (Tetrahymena pyriformis – computer estimate)

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

EMPTY CONTAINER:

KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.

RCRA/EPA WASTE INFORMATION:

Chemical waste generators must determine whether a discarded chemical is classified as a

hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: For Domestic Ground Only-Paint Not Regulated

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1263

PACKING GROUP: PGIII

NAERG: N/A

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 1000 lbs

LABEL: N/A

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
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15. REGULATORY INFORMATIONS

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: 1000 lbs.

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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EU Risk Phrases

R20: Harmful by inhalation
R22: Harmful if swallowed

Safety Phrase

S2: Keep out of the reach of children
S16: Keep away from sources of ignition - No smoking
S24: Avoid contact with skin
S25: Avoid contact with eyes
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S27: Take off immediately all contaminated clothing
S39: Wear eye/face protection
S46: If swallowed, seek medical advice immediately and show this container or label
S51: Use only in well-ventilated areas
S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest
S20/21: When using do not eat, drink or smoke
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under CFR 40 720.30.

- None

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Toluene (CAS 108-88-3) and benzene (CAS 71-43-2)

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: To the best of our knowledge, this product is not listed as an extremely hazardous substance.

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

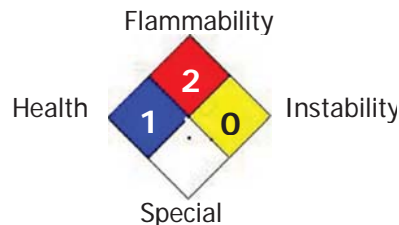
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



MANUFACTURER DISCLAIMER:

The information contained herein is based on the data available to us and is believed to be accurate. However, Nova USA Wood Products LLC makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Nova USA Wood Products LLC assumes no responsibility of injuries from the use of the product described herein.

Reviewer Revision

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