



Safety Data Sheet (SDS)

Loon Outdoors, LLC

Loon Outdoors UV Knot Sense

SDS Number: 647

Revision Date: 6/6/2016

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Loon Outdoors, LLC
P.O. Box 3517
Ashland, OR 97520

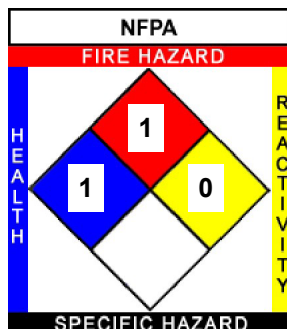
Contact: Loon Outdoors, LLC
Phone: (800) 580-3811
Fax: (208) 362-4497
Email: service@loonoutdoors.com
Web: www.loonoutdoors.com

Product Name: Loon Outdoors UV Knot Sense
Revision Date: 6/6/2016
Version: 1
SDS Number: 647
CAS Number: MIXTURE
Chemical Family: Polymer Blend
Chemical Formula: *** PROPRIETARY ***
Product Use: Coating fishing knots
Emergency Phone: (800) 580-3811

2 HAZARDS IDENTIFICATION

NFPA:
HMIS III:

Health = 1, Fire = 1, Reactivity = 0
H*1/F1/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B Safety Glasses, Gloves	

PERSONAL PROTECTION INDEX													
A			G	  									
B	 		H	  									
C	  		I	  									
D	  		J	   									
E	  		K	  									
F	   		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions									
A		n		o		p		q		r		s	
t		u		w		y		z		Additional Information			

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GHS Signal Word:
WARNING

GHS Hazard Pictograms:



GHS Classifications:

Health, Acute toxicity, 5 Dermal
Health, Skin corrosion/irritation, 2
Health, Skin sensitization, 1
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Reproductive toxicity, 2
Health, Specific target organ toxicity - Repeated exposure, 2

GHS Phrases:

H313 - May be harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H361 - Suspected of damaging fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure

GHS Precautionary Statements:

P262 - Do not get in eyes, on skin, or on clothing.
P263 - Avoid contact during pregnancy/while nursing.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P281 - Use personal protective equipment as required.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+350 - IF ON SKIN: Gently wash with soap and water.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
P337+313 - If eye irritation persists: Get medical advice/attention.
P402 - Store in a dry place.
P404 - Store in a closed container.
P405 - Store locked up.
P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents/container to an approved waste disposal plant.

The GHS Hazards Statements assigned to this product only apply to the concentrated, uncured material. When this product is applied as directed by the manufacturer, and allowed to cure, it attributes no hazards regarding acute dermal toxicity, skin irritation, eye irritation, skin allergy, reproductive/developmental hazards or damaging effects to organs.



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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
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N/A	>70%	Proprietary, non-hazardous, non-regulated*
N/A	16.9%	Trade Secret 1**
N/A	5.1%	Trade Secret 2**
N/A	3.4%	Trade Secret 3**

*Balance of ingredients are non-hazardous, as defined by OSHA 29 CFR 1910.1200 or the Globally Harmonized System of Classification and Labeling of Chemicals (GHS), or hazardous in less than 1% concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory/skin sensitizers).

**The specific chemical identities of the ingredients of this mixture labeled as "Trade Secret" are considered to be proprietary and are withheld in accordance with the provisions of 29CFR1910.1200 Sect. (i) Trade Secrets.

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FIRST AID MEASURES

Inhalation: Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. Remove contaminated clothing and wash before reuse. If reddening and/or a rash develops and/or persists, obtain medical attention.

Eye Contact: Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Do NOT rub eyes. Remove contact lenses if present and easy to do so. If eye irritation persists, obtain medical attention.

Ingestion: Rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Give 3-4 glasses of water or milk to dilute stomach contents. Never give anything by mouth to an unconscious person. If symptoms develop and/or persist, obtain medical attention.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.

Indication of any immediate medical attention and special treatment needed:

No data available.

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FIRE FIGHTING MEASURES

Flammability:	No data available
Flash Point:	> 94.0 °C (201.2 °F)
Flash Point Method:	(TCC)
Burning Rate:	No data available
Autoignition Temp:	Not determined
LEL:	Not determined
UEL:	Not determined

Extinguishing Media:

Water Fog
Carbon Dioxide



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Alcohol-Resistant Foam
Dry Chemical

Special Hazards Arising From the Substance or Mixture:

Acrylates
Carbon Oxides
Phosphorus Oxides

Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

Further Information:

If incinerated, may release toxic fumes.
Use water spray to cool unopened containers.
Do NOT use high volume water jet to extinguish fire, as the force of the water jet may cause fire to spread.
See Section 7 for more information on safe handling.
See Section 8 for more information on personal protection equipment.
See Section 13 for disposal information.

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ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment.
Keep from contacting skin or eyes.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Remove all sources of ignition.

Environmental Precautions:

Prevent further release (leakage/spillage) if safe to do so.
Do not allow product to enter drains.
Do not allow to drain to environment.

Methods and Materials for Containments and Cleaning Up:

Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, universal binders).
Place contaminated material into suitable, closed containers for disposal.
Collected waste should then be placed in container for disposal.
Dispose of contaminated material according to Section 13.

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 information on proper disposal.

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HANDLING AND STORAGE

Handling Precautions:

Wear protective equipment.
Avoid contact with eyes, skin, or clothing.
Keep containers closed when not in use.
Do not expose containers to open flame, excessive heat, or direct sunlight.
Keep away from sources of ignition.



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Storage Requirements:

Do not smoke while using material.
Do not puncture.
Handle with care and avoid spillage on the floor (slippage).
Keep material out of reach of children.
Keep material away from incompatible materials.
Wash thoroughly after handling.
Keep container tightly closed.
Store in a well-ventilated place.
Store at temperatures not exceeding 50.0 °C (120.0 °F)
Do not store in direct sunlight.
Store away from strong acids, strong bases, strong oxidizing agents, strong reducing agents, free radical initiators, inert gases, oxygen scavengers and peroxides.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal Protective Equip:

Eye/face protection:

When using material use safety glasses and gloves according to HMIS PP, B. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:

Handle with gloves made from PVC, butyl-rubber or fluorinated-rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:

Chemically safety glasses and gloves are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection:

Full-face dust/vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds.

Control of environmental exposure:

Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Components with workplace control parameters:

Contains no substances with occupational exposure limits values.

Biological occupational exposure limits:

Contains no substances with biological occupational exposure limits values.



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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless, light yellow liquid	Odor:	Slight, acrylic
Physical State:	Liquid	Molecular Formula:	MIXTURE
Odor Threshold:	Not determined	Solubility:	Insoluble
Particle Size:	No data available	Softening Point:	Not determined
Spec Grav./Density:	1.085 g/ml (9.05 lbs/gal)	Percent Volatile:	0.0%
Viscosity:	Not determined	Heat Value:	Not determined
Sat. Vap. Conc.:	Not determined	Freezing/Melting Pt.:	Not determined
Boiling Point:	Not determined	Flash Point:	> 94.0 °C (201.2 °F)
Flammability:	(solid, gas): No data available	Octanol:	Not determined
Partition Coefficient:	Not determined	Vapor Density:	(air = 1): Not determined
Vapor Pressure:	(mm Hg @ 20 °C): Not determined	VOC:	0 g/l
pH:	@ 100%: DNA	Bulk Density:	Not determined
Evap. Rate:	(nBuAc = 1): Not determined	Auto-Ignition Temp:	Not determined
Molecular weight:	MIXTURE	UFL/LFL:	Not determined
Decomp Temp:	Not determined		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Incompatibilities, flames, ignition sources, UV light.
Materials to Avoid:	Strong acids, strong bases, strong oxidizing agents, strong reducing agents, free radical initiators, inert gases, oxygen scavengers and peroxides.
Hazardous Decomposition:	Acrylates, Carbon Oxides and Phosphorus Oxides.
Hazardous Polymerization:	Hazardous polymerization may occur in the presence of heat, contamination, oxygen-free atmosphere (inert gas blanketing), free radicals, peroxides and inhibitor depletion. Avoid direct sunlight until ready to use as directed by the manufacturer.

11 TOXICOLOGICAL INFORMATION

Component(s): Trade Secret 1; Trade Secret 2; Trade Secret 3

CAS No(s): N/A; N/A; N/A

Acute Toxicity:

LD50 Oral - Rat: > 2,000 mg/kg

LD50 Dermal - Rabbit: > 1,000 m/kg

Skin Corrosion/Irritation: Rabbit skin - Causes skin irritation (4 h). Rabbit skin - Causes severe skin burns (24 h).

Serious Eye Damage/Eye Irritation: Rabbit eyes - Causes serious eye irritation.

Respiratory or Skin Sensitation: May cause an allergic skin reaction

Buehler Test - Guinea Pig: Skin allergy was observed

Local Lymph Node Assay (LLNA) - Mouse: Produced an allergic reaction

Germ Cell Mutagenicity: Genetic changes were observed in a laboratory test using animal cells. No genetic changes were observed in laboratory tests using mice.



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Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child (testes atrophy).

Specific Target Organ Toxicity - Single Exposure: No data available.

Specific Target Organ Toxicity - Repeated Exposure: Effects on liver, kidney, and blood have been seen in rodents after repeated exposure to a major component in this material via oral administration. Effects on liver were also seen in guinea pigs after repeated inhalation exposure.

Aspiration Hazard: No data available.

Additional Information:

Component: Trade Secret 1; RTECS: Withheld

Component: Trade Secret 2; RTECS: Withheld

Component: Trade Secret 3; RTECS: Withheld

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ECOLOGICAL INFORMATION

Component(s): Trade Secret 1; Trade Secret 2; Trade Secret 3

CAS No(s): N/A; N/A; N/A

Toxicity:

Toxicity to fish:

LC50 - Danio rerio (Bluegill Sunfish): 1.95 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water Flea): 3.53 mg/l (48 h)

Toxicity to algae:

EC50 - Desmodesmus subspicatus (Green Algae): 2.2 mg/l (72 h)

EC10 - Desmodesmus subspicatus (Green Algae): 0.3 mg/l (72 h)

Toxicity to bacteria:

EC50 - Activated Sludge: > 1,000 mg/l (3 h)

Persistence and Degradability:

Product is expected to mostly biodegrade.

Bioaccumulative potential:

Not expected to bioaccumulate.



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Mobility in Soil:

No data available.

Results of PBT and vPvB assessment:

Not required/conducted.

Other Adverse Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. The toxicity to this product applies only to the concentrated, uncured material. When this product is applied as directed by the manufacturer, and allowed to cure, it attributes little to no environmental hazards, either chronic or acute, to the aquatic ecosystem.

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DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

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TRANSPORT INFORMATION

DOT (US)

Non-regulated material, liquid

IMDG

Non-regulated material, liquid

IATA

Non-regulated material, liquid

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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Trade Secret 1 (N/A 16.9%) MASS, PA, SARA311/312, TSCA

*Trade Secret 2 (N/A 5.1%) MASS, NJHS, PA, PROP65, SARA311/312, SARA313, TSCA

*Trade Secret 3 (N/A 1.0%) MASS, NJHS, PA, SARA311/312, TSCA

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

PA = PA Right-To-Know List of Hazardous Substances

PROP65 = CA Prop 65

SARA311/312 = SARA 311/312 Toxic Chemicals

SARA313 = SARA 313 Title III Toxic Chemicals

TSCA = Toxic Substances Control Act



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OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that Loon Outdoors, LLC believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of Loon Outdoors, LLC's control, Loon Outdoors, LLC makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

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