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SAFETY DATA SHEET

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[According to OSHA Hazard Communication Standard (HCS) 29 CFR 1910.1200]

SECTION 1. IDENTIFICATION

PRODUCT INFORMATION

TRADE NAME : ECO Seal UV
 FORMULA : UV-2019-3
 HMIS NUMBER : 3-0-0
 CHEMICAL NAME : ACRYLATED MATERIAL
 CHEMICAL FAMILY : ORGANIC COMPOUND
 PRODUCT USE : A PROTECTIVE AND/OR DECORATIVE FINISH OR ACCOMPANYING PRODUCT
 (reference label or product data sheet for more information).
 NOT RECOMMENDED FOR: ANY OTHER USE NOT DETAILED ON PRODUCT DATA SHEET OR LABEL.

SUPPLIER INFORMATION

MANUFACTURER : Woodcare USA LLC
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SECTION 2. HAZARD(S) IDENTIFICATION

GHS CLASSIFICATION

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization
Aquatic Acute	2	Hazardous to the aquatic environment - acute

LABEL ELEMENTS

HAZARD PICTOGRAMS:



SIGNAL WORD : WARNING

SECTION 2. HAZARD(S) IDENTIFICATION**HAZARD STATEMENTS:**

H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H401 Toxic to aquatic life.

PRECAUTIONARY STATEMENTS:**PREVENTION:**

P280 Wear protective gloves and eye/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P272 Contaminated work clothing should not be allowed out of the workplace.
P264 Wash with plenty of water and soap thoroughly after handling.

RESPONSE:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P303 + P362 IF ON SKIN (or hair): Wash with plenty of soap and water.
P362 + P364 Take off contaminated clothing and wash before reuse.

DISPOSAL:

P501 Dispose of contents/container to hazardous or special waste collection point.

SECTION 2. HAZARD(S) IDENTIFICATION

SPECIAL PACKAGING REQUIREMENTS

OTHER HAZARDS

No specific dangers known, if the regulations/notes for storage and handling are considered.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

DANGER:
 Irritating to skin.
 May cause sensitization by skin contact.
 Risk of serious damage to eyes.
 Avoid contact with the skin, eyes and clothing.
 Avoid inhalation of mists/vapours.
 Use with local exhaust ventilation.
 Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.
 Wear NIOSH-certified chemical goggles.
 Wear protective clothing.
 Wear full face shield if splashing hazard exists.

SECTION 3. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT DESCRIPTION	CAS NUMBER	PERCENT BY WGT
INGREDIENT DESCRIPTION	CAS NUMBER	PERCENT BY WEIGHT
No known hazardous ingredients		

"X" Indicates substance is a HAP, reportable under SARA III, Section 313, if 10,000 lbs of an item used per calendar year.

SECTION 4. FIRST AID MEASURES**FIRST-AID INSTRUCTIONS**

SKIN CONTACT	Wash affected areas thoroughly with soap and water. Seek medical attention.
EYE CONTACT	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.
INHALATION	If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.
INGESTION	Rinse mouth immediately. Give exposed individual 6 to 9 oz of liquid. Consult physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND CHRONIC

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

SECTION 4. FIRST AID MEASURES

RECOMMENDATIONS FOR IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5. FIRE-FIGHTING MEASURES

FLASH POINT OVER 200 deg C TCC N/R
LEL N/A
UEL N/A

EXTINGUISHING MEDIA: Foam, CO2, dry chemical, water fog.

Unsuitable extinguishing media for safety reasons:
water jetUNUSUAL FIRE AND EXPLOSION HAZARDS:
The material will not support combustion.

SPECIAL FIREFIGHTING PROCEDURES:

Hazards during fire-fighting: harmful vapours. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

ADVICE FOR FIREFIGHTERS:

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Impact Sensitivity:

Remarks: Based on the chemical structure there is no shock-sensitivity.

SECTION 6. ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Further accidental release measures: High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment, emergency procedures: Use personal protective clothing. Keep people away and stay on the upwind side.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains/surface waters/groundwater

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove with inert absorbent. Sweep or scrape up and containerize disposal.

SECTION 7. HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING**

Keep away from sources of ignition - No smoking.

Protection against fire and explosion: Heated containers should be cooled to prevent polymerization. Take precautionary measures against static discharges.

STORAGE:

Further information on storage conditions: Avoid all sources of ignition: heat, sparks, open flame. Protect from direct sunlight.
Storage stability: Storage temperature: equal or less than 35C

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**CONTROL PARAMETERS****EXPOSURE CONTROLS****ENGINEERING CONTROLS:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

PRECAUTIONS:**SKIN PROTECTION:**

Long sleeves and pants to avoid skin contact

HAND PROTECTION:

Gloves.

EYE PROTECTION:

Splash goggles/face shield.

RESPIRATORY PROTECTION:

Vapor respirator. A respirator protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever work place conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

OTHER PROTECTIVE EQUIPMENT:

Ensure that eyewash stations and safety showers are proximal to the work-station location.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****BASIC PHYSICAL AND CHEMICAL PROPERTIES**

FLASH POINT	: 212 (deg F)	MELTING POINT:	N/A
LEL	: N/D	EVAPORATION RATE:	N/A
UEL	: N/D	FLAMMABILITY (solid, gas):	N/A
APPEARANCE	: CLEAR IN COLOR	PARTITION COEFFICIENT:	N/A
ODOR	: N/A	ODOR THRESHHOLD:	N/A
BOILING POINT	: 290 (deg F)	% SOLIDS (+/-2) WGT:	100.000
VAPOR PRESSURE	: (mmHg)	% SOLIDS (+/-2) VOL:	98.809
VAPOR DENSITY	: (AIR = 1)	VOC (LB/GL) ACTUAL:	0.000
WATER SOLUBLE	: NO	VOC (g/L) ACTUAL:	
RELATIVE DENSITY: (WEIGHT/GALLON)	9.942	VOC (LB/GL) COATING:	0.000
		VOC (g/L) COATING:	
		VOC (LB/GL) SANS WATER:	0.000
		VOC (g/L) SANS WATER:	
PH (range)	: N/A		
SOLUBILITY	: N/A		
AUTO IGNITION TEMPERATURE	: N/A		
DECOMPOSITION TEMPERATURE	: N/A		
VISCOSITY	: SEE PRODUCT DATA SHEET		

Density, %solids and %VOC analysis reference method 24
VOC IS LESS ANY FEDERALLY EXEMPT SOLVENT

SECTION 10. STABILITY AND REACTIVITY**REACTIVITY**

No hazardous reactions if stored and handled as prescribed/indicated.
Oxidizing properties: not fire-propagating
Based on its structural properties the product is not classified as oxidizing. (other)

Formation of flammable gases: Forms no flammable gases in the presence of water.

CHEMICAL STABILITY

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

SECTION 10. STABILITY AND REACTIVITY

The product is stabilized against spontaneous polymerization prior to despatch. The product can polymerize if the shelf life or storage temperature are greatly exceeded. Heat develops during polymerization. Reacts with peroxides and other radical components. The product is chemically stable. Radical formation can cause exothermic polymerization

INCOMPATIBILITY (MATERIALS TO AVOID) :

Avoid extreme heat.

Incompatible materials: peroxides, free radical initiators

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition: 125C, 2 K/min (DSC (DIN 51007))

Polymerization takes place above the indicated temperature.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Primary routes of exposure Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

ACCUTE TOXICITY/EFFECTS:**ACUTE TOXICITY**

Assessment of acute toxicity: Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact. Inhalation-risk test (IRT): No mortality within 7 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

Analogous: Assessment derived from products with similar chemical character.

Inhalation-risk test (IRT): No mortality within 7 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

Assessment of irritating effects: Causes temporary irritation of the respiratory tract. Eye contact causes irritation. Skin contact causes irritation.

Skin

Species: rabbit

Result: Irritant.

Method: OECD Guideline 404

Eye

Species: rabbit

Result: Risk of serious damage to eyes.

Method: OECD Guideline 405

Sensitization

Assessment of sensitization: The substance may cause sensitization of the respiratory tract.

Sensitization after skin contact possible.

SECTION 11. TOXICOLOGICAL INFORMATION

Mouse Local Lymph Node Assay (LLNA)

Species: mouse
 Result: sensitizing
 Method: OECD Guideline 429

Aspiration Hazard
 not applicable

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: No other known chronic effects.
 After repeated exposure the prominent effect is local irritation. The product has not been tested.
 The statement has been derived from substances/products of a similar structure or composition.
 No other known chronic effects.

Genetic toxicity

Assessment of mutagenicity: The data available on mutagenic action are not consistent. The substance was not mutagenic in bacteria. The substance was mutagenic in a mammalian cell culture test system. The substance was not mutagenic in studies with mammals. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Teratogenicity

Assessment of teratogenicity: Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

CARCINOGENICITY:

Substances have not been identified as a carcinogen or probable carcinogen by NTP, IARC, OSHA, EU, ACGIH or CPSC.

SECTION 12. ECOLOGICAL INFORMATION**TOXICITY**

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations

Toxicity to fish LC50 (96 h) from 1 to 10 mg/l, Brachydanio rerio (static)
 Aquatic invertebrates EC50 (48 h) from 10 to 100 mg/l, Daphnia magna (Directive 84/449/EEC, C.2, static)

Aquatic plants EC50 (72 h) from 10 to 100 mg/l, Scenedesmus subspicatus (static)

Chronic toxicity to fish Study scientifically not justified.

Chronic toxicity to aquatic invertebrates Study scientifically not justified.

Assessment of terrestrial toxicity Study scientifically not justified.

Toxicity to microorganisms OECD Guideline 209 aerobic activated sludge, domestic/EC20 (0.5 h):

SECTION 12. ECOLOGICAL INFORMATION

Nominal concentration. more than 1,000 mg/l

PERSISTENCE AND DEGRADABILITY

Assessment biodegradation and elimination (H2O) Readily biodegradable (according to OECD criteria).
 Elimination information From 90 to 100 % DOC reduction (28 d) (OECD 301 A (new version)) (aerobic, activated sludge, domestic)
 Assessment of stability in water According to structural properties, hydrolysis is not expected/probable.
 Bioaccumulative potential
 Assessment bioaccumulation Because of the n-octanol/water distribution coefficient (log Pow) potential accumulation in organisms is not to be expected.

MOBILITY IN SOIL

Assessment transport between environmental compartments The substance will not evaporate into the atmosphere from the water surface.
 Adsorption to solid soil phase is not expected.

ADDITIONAL INFORMATION

Do not release untreated into natural waters.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
 Observe all applicable Federal/State regulations and local ordinances.

SECTION 14. TRANSPORT INFORMATION

	DOT	TDG	Mexico	ADR/RID	IMDG	IATA
UN NUMBER	Not regul.	Not regul.	Not regul.	Not regul.	Not regul.	Not regul.
UN PROPER SHIPPING NAME	-	-	-	-	-	-
TRANSPORT HAZARD CLASS	-	-	-	-	-	-
PACKAGING GROUP	-	-	-	-	-	-
SPECIAL PRECAUTIONS	No	No	No	No	No	No

SECTION 15. REGULATORY INFORMATION

TSCA : LISTED
 DSL/NDL: LISTED

SECTION 15. REGULATORY INFORMATION**SECTION 313 SUPPLIER NOTIFICATION:**

This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

EPCRA 311/312 (Hazard categories): Chronic;

CERCLA RQ	CAS Number	Chemical name
5000 LBS	79-10-7	acrylic acid
1000 LBS	110-82-7	cyclohexane

State regulations

State RTK	CAS Number	Chemical name
PA	25265-71-8	dipropylene glycol

CHEMICAL NAME	CAS NUMBER	PERCENT BY WEIGHT
NONE		

CALIFORNIA PROP. 65:

This product contains the following ingredients for which the State of California has found to cause cancer, which would require a warning under the statute:

CHEMICAL NAME	CAS NUMBER
None Known	

SECTION 16. OTHER INFORMATION**OTHER PRECAUTIONS**

PRECAUTIONS TO BE TAKEN: KEEP FROM FREEZING.
Protect drums against physical damage.
Do not take internally. Wash hands thoroughly after handling.

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