

Safety Data Sheet according to regulation (EC) No 1907/2006 & 1272/2008 and amendments

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING**Product Identifier:** SOLAREZ® Ultra-Thin (Bone Dry) Fly-tie Resin**Sku:** #75813 Clear,**Product Description / Synonym:** Acrylic Acid Ester**RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST****Intended/Recommended Use:** Radiation cured coating**DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET****Company:** WAHOO INTERNATIONAL, INC. 1315 Hot Springs Way Suite 106 Vista, CA 92081

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2. HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity Hazard Category 4

Serious Eye Damage / Eye Irritation Hazard Category 2A

Skin Irritation Hazard Category 2A

Skin Sensitizer Hazard Category 1

**LABEL ELEMENTS****Signal Word**

WARNING

Hazard Statements

Harmful if swallowed

Causes skin irritation

Causes serious eye irritant

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance, Mixture or Article?** Mixture

Component / CAS No.	%	GHS Classification
Acrylated oligomer -	60-70	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1 (H317)
Trimethylolpropane triacrylate 15625-89-5	<20	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1B (H317)
Isobornyl acrylate 5888-33-5	<10	STOT Single 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
1,6 Hexanediol diacrylate 13048-33-4	<10	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide 75980-60-8	<1	Repr. 2 (H361F)
2-hydroxy-2-methylpropiophenone	<2	Acute Tox. 4 (H302) Harmful To Aquatic Life (H412)

4. FIRST AID MEASURES

DESCRIPTION OF FIRST MEASURES

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. Obtain medical advice if there are persistent

Skin Contact:

Remove contaminated clothing and shoes without delay. Wash immediately with plenty of water. Do not reuse contaminated clothing without laundering. Get medical attention if pain or irritation persists after washing or if signs and symptoms of overexposure appear.

Ingestion:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Inhalation:

Material is not expected to be harmful if inhaled. Remove to fresh air.

Material is not expected to be harmful if inhaled. Remove to fresh air.

MOST IMPORTANT SYMPTOMS AND EFFECTS,**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDS****General Information**

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

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA**Suitable Extinguishing Media:**

Use water spray or fog, carbon dioxide or dry chemical.

Extinguishing Media to Avoid:

High pressure water jet.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Keep containers cool by spraying with water if exposed to fire.

ADVICE FOR FIREFIGHTERS**Protective Equipment:**

Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing.

See MSDS Section 8 (Exposure Controls/Personal Protection).

6. ACCIDENTAL RELEASE MEASURES

Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level exposure. In addition to the protective clothing / equipment in Section 8 (Exposure Controls / Personal Protection) , wear impermeable boots.

Environmental Precautions:

None known

Methods and material for containment and cleaning up:

Cover spills with some inert absorbment material; sweep up and place in a waste disposal container. Flush spill area with water.

References to other sections:

See Sections 8 and 13 for additional information.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Precautionary Measure: Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated contact with skin. Use with adequate ventilation. Keep container tightly closed. Wash thoroughly after handling.

Special Handling Statements: Provide good ventilation of working area (local exhaust ventilation if necessary).

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well ventilated place and keep container tightly closed. Keep away from heat sources and direct sunlight.

Storage Temperature: Store at 4 - 40 °C

Reason: Quality.

VCI Storage Class: 10

Specific end use(s): Composite field repair.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

77-58-7 Dibutyltin dilaurate

United Kingdom: WEL (Workplace Exposure Limits) 0.1 mg/m³(TWA)

Europe ILV (Indicative Limit Values): Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Colour: colorless to straw

Appearance: Transparent viscous liquid

Odor: Acrylate

Boiling Point: >100 °C

Melting Point: Not Available

Vapor Pressure: <0.013 hPa @ 20 °C

Specific Gravity/Density: 1.0845g/ml

Vapor Density: Not available

Percent Volatile (% by wt.): Not available

Solids Content: >99%

pH: Not available

Saturation In Air (% By Vol.): Not available

Evaporation Rate: Not available

Solubility In Water: Slightly soluble

Acid Number (mg KOH/g): Not available

Hydroxyl Value (mg KOH/g): Not available

Volatile Organic Content(1999/13/EC): Not available

Flash point: >100 °C Setflash

Flammable Limits (% By Vol): Not available

Autoignition temperature: Not available

Decomposition Temperature: Not available

Partition coefficient (n-octanol/water): Not available

Fat Solubility (Solvent-Oil): Not available

Viscosity (Kinematic): Not available

Viscosity (Dynamic): 800 - 1200 mPa.s @ 60 °C

10. STABILITY AND REACTIVITY

Reactivity: No information available

CHEMICAL STABILITY

Stability: Stable

Conditions To Avoid: Avoid direct exposure to sunlight. Avoid temperatures above 60 °C (140°F). Avoid friction with temperature increase as result. Avoid exposure to strong UV sources.

Loss of dissolved air. Loss of polymerization inhibitor. Avoid direct contact with heat sources.

POSSIBILITY OF HAZARDOUS REACTIONS

Polymerization: May occur

Conditions To Avoid: Uncontrolled polymerization may cause rapid evolution of heat and increase in pressure that could result in violent rupture of sealed storage vessels or containers. Hazardous polymerization can occur when exposed to direct sunlight. Hazardous exothermic polymerization can occur when heated. Avoid contact with bases or amines. Avoid contact with strong oxidizing agents. Avoid contact with free radical initiators.

Incompatible materials: Avoid contact with peroxides. Copper, copper alloys, carbon steel, iron and rust.

Avoid free radical producing initiators. Contact with alkalis. They give an exothermic reaction with the product. Unintentional contact with them should be avoided. Avoid contact with active metals. Hazardous polymerization may occur.

Hazardous Decomposition

Products:

oxides of carbon

smoke

hydrocarbons

soot

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Likely Routes of Exposure: Eyes, Skin, Oral.

Acute toxicity - oral: Not classified - Based on available data and/or professional judgment, the classification criteria are not met.

Acute toxicity - dermal: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

Acute toxicity - inhalation: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

Skin corrosion / irritation: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

Serious eye damage / eye irritation: Causes serious eye irritation.

Respiratory sensitization: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

Skin sensitization: May cause an allergic skin reaction.

Carcinogenicity: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

Germ cell mutagenicity: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

Reproductive toxicity: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

Aspiration hazard: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

PRODUCT TOXICITY INFORMATION

ACUTE TOXICITY DATA

Oral	rat	Acute LD50	>2000 mg/kg
Dermal	rabbit	AcuteLD50	>2000 mg/kg
Inhalation	rat	AcuteLDC50 4 hr	>5 mg/l

LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation eye irritating (tested)

Acute Irritation dermal Not irritating

ALLERGIC SENSITIZATION

Sensitization	respiratory	No data
Sensitization	Skin	Sensitizing

GENOTOXICITY

Assays for Gene Mutations

Ames Salmonella Assay No data

OTHER INFORMATION

The toxicity data above are the results from sponsored studies or from the available public literature.

The toxicological properties of this material have not been fully determined.

Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms such as redness, blistering, dermatitis, etc.

The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

HAZARDOUS INGREDIENT TOXICITY DATA

ACUTE TOXICITY DATA

Dibutyltin dilaurate

oral (gavage) rat Acute LD50 (Actual) 175 mg/kg

dermal rabbit Acute LD50 (Actual) ~ 6800 mg/kg

Triphenylstibine

oral (gavage) rat Acute LD50 (Actual) < 100 mg/kg

dermal rabbit Acute LD50 (Actual) > 200 mg/kg

LOCAL EFFECTS ON SKIN AND EYE

Acrylated resin

Acute Eye Irritation rabbit irritating

Acute Dermal Irritation rabbit Irritating

12. ECOLOGICAL INFORMATION

The ecological properties of this material have not been fully investigated.

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The ecological properties of this material have not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

The Company encourages the recycle, recovery and reuse of materials, where permitted. If disposal is necessary, The Company recommends that organic materials, especially when classified as hazardous waste, be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

ADR/RID/ADN

Dangerous Goods? Not applicable/Not regulated

IMO

Dangerous Goods? Not applicable/Not regulated

ICAO / IATA

Dangerous Goods? Not applicable/Not regulated

15. REGULATORY INFORMATION

LABELING ACCORDING TO EC DIRECTIVES

Symbol(s): Xi – Irritant
Xi R43 - Sensitizing

Risk Phrases:

R36/38 - Irritating to eyes and skin.

Safety Phrases:

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of soap and water.

HAZARDOUS INGREDIENTS

No Hazardous Ingredients for Label

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Ozone Depleting Substances (Regulation (EC) No 1005/2009): Not applicable
Persistent Organic Pollutants (Regulation (EC) No 850/2004): Not applicable
Substances subject to Authorization (Annex XIV of Regulation (EC) No 1907/2006): Not applicable

Water Endangering Class (Germany): 2 according to VwVwS, 17.05.1999

Inventory Information

United States (USA):

All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

Canada:

All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

Australia: All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on AICS.

China: All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

Japan: All components of this product are included on the Japanese (ENCS) inventory or are not required to be Listed on the Japanese inventory.

Korea: All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory.

Philippines: All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine inventory.

16. OTHER INFORMATION

Reasons for Issue: New Format

Classification methods include one or more of the following: use of specific product data, read-across data, modeling, professional judgment or a component based evaluation.

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