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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 21351 REAR WINDOW DEFOGGER TAB ADHESIVE .01FO PART 1
Item No: 190510H
Product Type: Adhesive

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL:
POLYURETHANE METHACRYLATE RESIN MIXTURE	35-45	Not listed	Not Listed
HYDROXYALKYL METHACRYLATE 27813-02-1	25-35	Not listed	Not Listed
ALIPHATIC URETHANE METHACRYLATE 3290-92-4	<10	Not listed	Not Listed
ACRYLIC ACID 79-10-7	<7	2 ppm	10 ppm TWA; 30 mg/m ³ TWA
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	<3	Not listed	Not Listed
2-HYDROXYETHYL METHACRYLATE 868-77-9	<3	Not listed	Not Listed

3. HAZARDS IDENTIFICATION

Toxicity: May cause moderate skin irritation. Causes severe eye irritation. May cause nose, throat and respiratory irritation.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Repeated skin contact may cause allergic skin reactions May cause pain, redness or swelling of the eyes and excessive blinking and tear production Vapor is irritating to eyes and mucous membranes above TLV. Prolonged and repeated overexposure to vapors may produce symptoms of non-allergic asthma in sensitive individuals

Component	Weight%	NTP	ACGIH Carcinogens	IARC
ACRYLIC ACID 79-10-7	<7		A4 - Not Classifiable as a Human Carcinogen	Group 3 Monograph 71, 1999; Supplement 7, 1987; Monograph 19, 1979

Medical Conditions Recognized as Being Aggravated by Exposure: Acrylic acid: Upper respiratory and lung diseases, dermatitis.

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point °F(C°): >200°F TCC

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

5. FIRE FIGHTING MEASURES

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus.
Hazardous Products of Combustion: Oxides of carbon
Unusual Fire/Explosion Hazards: None

Lower Explosive Limit: 2.0% Acrylic acid
Upper Explosive Limit: 8.0% Acrylic acid

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store below 100 degrees F.
Handling: Do not inhale vapors. Avoid prolonged skin contact. Keep away from eyes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.
Respiratory Protection: Not required under normal use. An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow liquid
Odor: Irritating
Boiling Point: >300°F
pH: Does not apply
Solubility in Water: Insoluble
Specific Gravity: 1.08 @ 80°F
VOC Content(Wt.%): 7.0% by weight
Vapor Pressure: Not determined
Vapor Density (Air=1): Not Determined
Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: WILL NOT OCCUR.
Incompatibilities: Avoid contact with bases and strong oxidizers
Conditions to Avoid: Heat
Hazardous Products of Combustion: Oxides of carbon

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: None
UN/ID Number: None

Product Name: 21351 REAR WINDOW DEFOGGER TAB
ADHESIVE .01FO PART 1

Item No: 190510H

14. TRANSPORTATION INFORMATION

IATA

Proper Shipping Name: Unrestricted
Class or Division: None
UN/ID Number: None

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

Marine Pollutant: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

ACRYLIC ACID, DIMETHYLBENZYL HYDROPEROXIDE

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 1.

Estimated HMIS Classification: HEALTH 2, FLAMMABILILTY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 21351 REAR WINDOW DEFOGGER TAB ADHESIVE PART 2
Item No: PTX394319AA
Product Type: Activator

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
2-PROPANOL 67-63-0	90-100	200 ppm	400 ppm; 980 mg/m ³
MINERAL SPIRITS 8052-41-3	<2	100 ppm	500 ppm; 2900 mg/m ³
ORGANO-COPPER COMPOUND 85737-14-0	<1	Not listed	Not listed
ORGANO-COPPER COMPOUND 68084-48-0	<1	Not listed	Not listed
ORGANO-COPPER COMPOUND 22221-10-9	<1	Not listed	Not listed

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye, skin and respiratory irritation. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. Prolonged exposure may cause liver and kidney effects and may affect the central nervous system.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Contact with eyes may cause tearing and redness. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. May cause skin irritation.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
2-PROPANOL 67-63-0	90-100		A4 - Not classifiable as a human carcinogen	Group 3 Monograph 71, 1999; Supp.7, 1987; Monograph 15, 1977

Medical Conditions Recognized as Being Aggravated by Exposure: May aggravate preexisting dermatitis. Since this product contain copper compounds, individuals with Wilson's Disease should avoid exposure to this product.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point °F(C°): >53°F TCC

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus.

Hazardous Products of Combustion: Oxides of carbon

Unusual Fire/Explosion Hazards: Vapors may travel from container toward sources of ignition and flashback. Irritating or toxic gases or fumes may be generated by thermal decomposition or combustion.

Lower Explosive Limit: 2.0

5. FIRE FIGHTING MEASURES

Upper Explosive Limit: 12.0

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).

Handling: Avoid contact with skin and eyes. Do not inhale vapors. Do not use near heat, sparks or open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.

Skin: Neoprene or nitrile gloves recommended.

Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Respiratory Protection: An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green liquid

Odor: Alcoholic

Boiling Point: 180°F @ 760 mmHg

pH: Does not apply

Solubility in Water: 95-100%

Specific Gravity: 0.79 @ 77°F

VOC(Wt.%): 97.6%

Vapor Pressure: 32 mm Hg @ 68°F

Vapor Density (Air=1): 2.1 (air = 1)

Evaporation Rate: 7.7

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizers

Conditions to Avoid: Keep away from heat, sparks and open flame. - No smoking.

Hazardous Products of Combustion: Oxides of carbon

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations..

US EPA Waste Number: D001 as per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Ground Transport (DOT)

DOT Shipping Name: Consumer Commodity (not more than one liter)

Hazard Class: ORM-D

UN/ID Number: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)

Class or Division: Class 9

UN/ID Number: ID 8000

Product Name: 21351 REAR WINDOW DEFOGGER TAB
ADHESIVE PART 2

Item No: PTX394319AA

IMDG

Proper Shipping: Isopropanol (Isopropyl Alcohol), Limited Quantity
Hazard Class: Class 3, PG II (12°C C.C.)
UN Number: UN 1219

Marine Pollutant: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

COPPER COMPOUND

California Proposition 65: No California Prop 65 chemicals are known to be present.

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 3, REACTIVITY 1.
Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 3, PHYSICAL HAZARD 0
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