

MATERIAL SAFETY DATA SHEET

I. PRODUCT

PRODUCT NAME: Zurich Shield™ Windshield Sealant Step (1) Solution
 Company Identification: DIAMON-FUSION® INTERNATIONAL, INC.
 Distributed by: AUTOMOTIVE PROTECTION SYSTEMS, INC.
 For information in North America, call DFI: 949-388-8000
 For emergencies in the US, call 949-240-1816

II. COMPOSITION, INFORMATION ON INGREDIENTS

	CAS#	TWA (mg/m ³):	STEL (mg/m ³)	APPROX % BY WEIGHT
ETHYL ALCOHOL	64-17-5	1900		63.0
ISOPROPYL ALCOHOL	67-63-0	980	1225	14.0
MONO ETHYL SULFATE	540-82-9	50	75	<1
NONHAZARDOUS PROPRIETARY CYCLIC SILOXANE OLIGOMERS				23.0

Note: As established by the American Conference of Governmental Industrial Hygienists and/or standards promulgated by the Occupational Safety and Health Administration (OSHA)

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: Foil-packaged towelette soaked with alcohol-based coating-forming compound.
 Flash Point: 65 ° F (18.3° C)
 Target Organs: Skin, respiratory system, gastrointestinal system, eyes.

POTENTIAL HEALTH EFFECTS

EFFECTS OF SKIN CONTACT, INHALATION, OR ACCIDENTAL INGESTION OF THE CONTENTS OF A SINGLE PACKAGE WILL BE MINIMAL

EYE CONTACT May cause eye irritation.

SKIN CONTACT: Prolonged contact may cause drying of skin.

INGESTION: May cause stomach cramps, nausea, vomiting and/or diarrhea.

INHALATION: Excessive inhalation of vapors can cause nasal irritation, dizziness, weakness, nausea, headache and a narcotic reaction. If swallowed, may cause stomach cramps, nausea, vomiting and/or diarrhea

CHRONIC: Not available

IV. FIRST AID MEASURES

EYE CONTACT: Flush with copious amounts of water for at least 15 minutes, including under the eyelids.

PROLONGED SKIN CONTACT: Wash skin with soap and water for at least 15 minutes.

INGESTION: Do not induce vomiting unless instructed to do so by a medical professional. Call a poison control center.

INHALATION: Remove from exposure to fresh air immediately.

NOTES: For any emergency, obtain medical attention, clothing soaked with product should be changed immediately.

V. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical on small fires use foam (alcohol, polymer or ordinary) and water spray for large fires.

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and protective clothing

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep fire exposed containers cool with water vapors is heavier than air and may travel along the ground. They may then be ignited by flames, sparks, or other ignition sources at locations distant from the material handling point.

FLASHPOINT: 65 ° F (18.3° C), Tag Open Cup, ASTM D-1310
NFPA RATING: Health hazard (slightly hazardous)
Flammability: 3 (Below 100° F {37.8° C})

VI. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR DROPPING A TOWELLETE: Dropping a single towelette poses minimal risk. The towelette may be picked up while wearing gloves and disposed of appropriately. The area of the spill should be cleaned with soap and water.

MAJOR LEAKS AND SPILLS: In the case that the contents of several packages leak or spill, the area should immediately be ventilated as well as possible. Using safety goggles, gloves, and a vapor respirator to avoid inhalation, absorbent material should be used to collect and contain product for disposal. A pump may be used to transfer spilled product into a suitable tank or vessel. Wash area with detergent solution and rinse thoroughly with water.

DISPOSAL METHOD: All local, state and federal regulations concerning health and pollution should be reviewed to determine approved disposal procedures

VII. HANDLING AND STORAGE

HANDLING WHEN USING PREPACKAGED TOWELLETTES: gloves and safety glasses should be used during applications and the room should be sufficiently ventilated to avoid prolonged inhalation of alcohol vapors.

STORAGE: Store in well-ventilated areas at temperatures below 120° F (48.9° C) and away from any ignition source since emptied containers may retain product residues (vapor, liquid, and/or solid) all hazard precautions given in this data sheet must be observed.

VIII. EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: Eye fountain and safety shower should be available when handling or transferring large quantities of open or bulk material.

EXPOSURE LIMITS

VENTILATION: Provide sufficient ambient or mechanical exhaust ventilation to maintain exposure below TLV, provide self-contained breathing apparatus when handling drum quantities in an enclosed room.

PROTECTIVE CLOTHING: Clean body covering clothing, for drum quantities, rubber gloves, boots and apron depending upon the likely exposure or as required by company regulations.

EYE PROTECTION: When working with drum or bulk quantities, chemical workers goggles are recommended. When transferring drum or bulk quantities, a full face shield is recommended.

OTHER PROTECTIVE EQUIPMENT: When handling or transferring large quantities of open or bulk material in an enclosed room. Use self-contained breathing apparatus.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Clear, colorless
Odor: Alcohol
PH: Not available
Vapor Pressure: 33 mm hg at 25 ° C
Vapor Density: > 1 (air=1)
Evaporation Rate: 1.5 (Butyl Acetate=1)
Viscosity: Not available
Boiling Point: 172° F
Freezing/Melting Point: Not available
Decomposition Temperature: Not available
Solubility: Soluble
Specific Gravity at 25 ° C: 0.800
Molecular Formula: Trade secret
Molecular Weight: Not available
Volatiles, % by Volume: 80 Typical

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Excess heat, sparks, flames.
INCOMPATIBILITIES WITH OTHER MATERIALS: Strong oxidizing materials, aldehydes, halogens and concentrated mineral acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or burning may produce carbon mono/dioxides and/or silicon oxides.
HAZARDOUS POLYMERIZATION: Will not occur.

XI. TOXICOLOGICAL INFORMATION

LD50/LC50: None available.
CARCINOGENICITY: None available.
MUTAGENICITY: None available.

XII. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.
ENVIRONMENTAL FATE: Not available.
PHYSICAL/CHEMICAL: Not available
OTHER: Not available

XIII. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.
RCRA Hazard Class (if discarded): D001, D002

XIV. TRANSPORT INFORMATION

D.O.T: Consumer commodity, ORM
OTHER INFORMATION - Flashpoint(Tag Open Cup, ASTM D-1310): 65° F

XV. REGULATORY INFORMATION

US FEDERAL

EPA PRIORITY POLLUTANTS: None
SARA TITLE III (SEC 313) HAZARDOUS MATERIAL: None
As determined by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or by the Occupational Safety and Health Administration (OSHA).

STATE

Please consult with the specific regulatory agencies within your state if applicable.

EUROPEAN/INTERNATIONAL REGULATIONS

Please consult with the appropriate EU or specific country regulatory agencies if applicable.

CANADA

Please consult with the appropriate Canadian regulatory agencies if applicable.

XVI. ADDITIONAL INFORMATION

MSDS Creation Date: Revision #2: Date: 5/19/10

The information above is believed to be accurate and represents the best information currently available to us and relates to the specific material designated and may not be valid for such material used in combination with any other materials.. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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NONHAZARDOUS PROPRIETARY CYCLIC SILOXANE OLIGOMERS				7.0

Note: As established by the American Conference of Governmental Industrial Hygienists and/or standards promulgated by the Occupational Safety and Health Administration (OSHA)

III. HAZARDS IDENTIFICATION

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IV. FIRST AID MEASURES

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NFPA RATING: Health hazard (slightly hazardous)
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Evaporation Rate: 1.5 (Butyl Acetate=1)
Viscosity: Not available
Boiling Point: 172° F (77.8° C)
Freezing/Melting Point: Not available
Decomposition Temperature: Not available
Solubility: Soluble
Specific Gravity at 25 ° C: 0.800
Molecular Formula: Trade secret
Molecular Weight: Not available
Volatiles, % by Volume: 97.5 Typical

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Excess heat, sparks, flames.
INCOMPATIBILITIES WITH OTHER MATERIALS: Strong oxidizing materials, aldehydes, halogens and concentrated mineral acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or burning may produce carbon mono/dioxides and/or silicon oxides.
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MUTAGENICITY: None available.

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ECOTOXICITY: Not available.
ENVIRONMENTAL FATE: Not available.
PHYSICAL/CHEMICAL: Not available
OTHER: Not available

XIII. DISPOSAL CONSIDERATIONS

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RCRA Hazard Class (if discarded): D001, D002

XIV. TRANSPORT INFORMATION

D.O.T: Consumer commodity, ORM
OTHER INFORMATION - Flashpoint(Tag Open Cup, ASTM D-1310): 65° F

XV. REGULATORY INFORMATION

US FEDERAL

EPA PRIORITY POLLUTANTS: None
SARA TITLE III (SEC 313) HAZARDOUS MATERIAL: None
As determined by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or by the Occupational Safety and Health Administration (OSHA).

STATE

Please consult with the specific regulatory agencies within your state if applicable.

EUROPEAN/INTERNATIONAL REGULATIONS

Please consult with the appropriate EU or specific country regulatory agencies if applicable.

CANADA

Please consult with the appropriate Canadian regulatory agencies if applicable.

XVI. ADDITIONAL INFORMATION

MSDS Creation Date: **Revision #2: Date: 5/19/10**

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