

# SAFETY DATA SHEET

## SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

**Product ID:** 496905  
**Product Name:** ZenaStick Mist  
**Revision Date:** Oct 31, 2023 **Date Printed:** May 16, 2024  
**Version:** 4.1 **Supersedes Date:** Oct 31, 2023  
**Manufacturer's Name:** Zenex International  
**Address:** 1 Zenex Circle Cleveland, OH, US, 44146  
**Emergency Phone:** 1-800-535-5053  
**Information Phone Number:** (440)-232-4155  
**Fax:**  
**Product/Recommended Uses:** Spray Adhesive

## SECTION 2) HAZARDS IDENTIFICATION

### Classification

Aerosols - Category 1  
Gases Under Pressure Liquefied Gas  
Aspiration Hazard - Category 1  
Skin Irritation - Category 2  
Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) - Category 3

### Pictograms



### Signal Word

Danger

### Hazardous Statements - Physical

H222 - Extremely flammable aerosol  
H280 - Contains gas under pressure; may explode if heated

### Hazardous Statements - Health

H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H336 - May cause drowsiness or dizziness

### Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.

### Precautionary Statements - Prevention

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Do not pierce or burn, even after use.
- P264 - Wash hands thoroughly after handling.
- P280 - Wear protective gloves, eye protection, and face protection.
- P261 - Avoid breathing mist, vapors, or spray.
- P271 - Use only outdoors or in a well-ventilated area.

### Precautionary Statements - Response

- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P331 - Do NOT induce vomiting.
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
- P332 + P313 - If skin irritation occurs: Get medical attention.
- P362 + P364 - Take off contaminated clothing and wash it before reuse.
- P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 - Call a POISON CENTER or doctor if you feel unwell.

### Precautionary Statements - Storage

- P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P405 - Store locked up.
- P403 - Store in a well-ventilated place.

### Precautionary Statements - Disposal

- P501 - Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0426260-76-6	Heptane, branched, cyclic and linear	27% - 37%
0000075-37-6	DIFLUOROETHANE	30% - 40%
0000067-64-1	ACETONE	10% - 20%
0008050-31-5	Resin acids and Rosin acids, esters with glycerol	8%-15%
0026471-45-4	Crosslinked SBR rubber	5%-10%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

## SECTION 4) FIRST-AID MEASURES

### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. If breathing has stopped, trained personnel should begin rescue breathing or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). If you feel unwell/If concerned: Get medical advice/attention.

### Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for 15 minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

### Skin Contact

Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

### Ingestion

Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

### Most Important Symptoms/Effects, Acute and Delayed

May be fatal if swallowed and enters airways. Do NOT induce vomiting.

### **Indication of Immediate Medical Attention and Special Treatment Needed**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## **SECTION 5) FIRE-FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Extinguish with carbon dioxide, dry chemical, foam or water spray.

### **Unsuitable Extinguishing Media**

Water may be ineffective but can be used to cool containers exposed to heat or flame.

### **Specific Hazards in Case of Fire**

Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

### **Fire-fighting Procedures**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

### **Special Protective Actions**

Wear goggles and use a self-contained breathing apparatus. If water is used, fog nozzles are preferred.

## **SECTION 6) ACCIDENTAL RELEASE MEASURES**

### **Emergency Procedure**

Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

### **Recommended Equipment**

Wear safety glasses with side shields. Use of gloves approved from relevant standards that meet or are equivalent to OSHA 29 CFR 1910.132.

### **Personal Precautions**

Eliminate sources of ignition. Avoid contact with skin and eyes. Avoid breathing spray. Ventilate area.

### **Environmental Precautions**

Stop spill/release if it can be done safely. Prevent liquid entering sewers, basements and work pits.

### **Methods and Materials for Containment and Cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

## **SECTION 7) HANDLING AND STORAGE**

### **General**

Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally.

### **Ventilation Requirements**

Use in a well-ventilated place.

### **Storage Room Requirements**

Store and use in a cool, dry, well-ventilated area. Do not store above 120°F. See product label for additional information.

### **Incompatible Materials**

This product should be stored away from sources of strong heat or oxidizing chemicals.

## **SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Eye protection

Wear safety glasses with side shields. Eyewash stations and showers should be available in areas where this material is used and stored.

### Skin Protection

Use solvent-resistant protective gloves for prolonged or repeated contact.

### Respiratory protection

Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air line respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

### Appropriate Engineering Controls

Ventilation should be sufficient to prevent inhalation of any vapors.

Chemical Name	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA Carcinogen	OSHA Skin designation	OSHA Tables (Z1, Z2, Z3)	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)
ACETONE	2400	1000				1		250
DIFLUOROETHANE	2.5					1	2.5	

Chemical Name	NIOSH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)
ACETONE			500	A4	URT & eye irr; CNS impair	A4; BEI	590	250
DIFLUOROETHANE				A4	Bone dam; fluorosis	A4; BEI		

Chemical Name	NIOSH STEL (mg/m3)	OSHA STEL (ppm)	NIOSH Carcinogen
ACETONE			
DIFLUOROETHANE			

(C) - Ceiling limit, A4 - Not Classifiable as a Human Carcinogen, BEI - Substances for which there is a Biological Exposure Index or Indices, CNS - Central nervous system, dam - Damage, impair - Impairment, irr - Irritation, URT - Upper respiratory tract

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

Density	6.96650 lb/gal
Density VOC	1.82940 lb/gal
% VOC	30.0%
Appearance	Colorless Liquid
Odor Threshold	N.A.
Odor Description	N.A.
pH	N.A.
Water Solubility	N.A.
Flammability	Extremely flammable
Vapor Pressure	N.A.
Flash Point	N.A.
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.

Vapor Density	N.A.
Melting Point	N.A.
Freezing Point	N.A.
Low Boiling Point	N.A.
High Boiling Point	N.A.
Decomposition Pt	N.A.
Auto Ignition Temp	N.A.
Evaporation Rate	Slower than ether

## SECTION 10) STABILITY AND REACTIVITY

### Chemical Stability

The product is stable under normal storage conditions.

### Possibility of Hazardous Reactions/Polymerization

None known.

### Conditions To Avoid

High temperatures.

### Incompatible Materials

This product should be stored away from sources of strong heat or oxidizing chemicals.

### Hazardous Decomposition Products

Hazardous decomposition products may include carbon dioxide, carbon monoxide, and other toxic fumes.

## SECTION 11) TOXICOLOGICAL INFORMATION

### Skin Corrosion/Irritation

Causes skin irritation

### Likely Route of Exposure

Inhalation, ingestion, skin absorption.

### Serious Eye Damage/Irritation

Based on available data, the classification criteria are not met.

0000067-64-1 ACETONE

Exposure can irritate the eyes.

### Carcinogenicity

Based on available data, the classification criteria are not met.

### Germ Cell Mutagenicity

Based on available data, the classification criteria are not met.

### Reproductive Toxicity

Based on available data, the classification criteria are not met.

### Respiratory/Skin Sensitization

Based on available data, the classification criteria are not met.

0000067-64-1 ACETONE

Can irritate the nose and throat causing coughing and wheezing.

### Specific Target Organ Toxicity - Single Exposure

May cause drowsiness or dizziness

0000067-64-1 ACETONE

May affect the kidneys and liver.

### Specific Target Organ Toxicity - Repeated Exposure

Based on available data, the classification criteria are not met.

### Aspiration Hazard

May be fatal if swallowed and enters airways

### Acute Toxicity

Based on available data, the classification criteria are not met.

### Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

### Potential Health Effects - Miscellaneous

0000067-64-1 ACETONE

The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, skin.

0000067-64-1 ACETONE

LC50 (male rat): 30000 ppm (4-hour exposure); cited as 71000 mg/m3 (4-hour exposure) (29)

LC50 (male mouse): 18600 ppm (4-hour exposure); cited as 44000 mg/m3 (4-hour exposure) (29)

LD50 (oral, female rat): 5800 mg/kg (24)

LD50 (oral, mature rat): 6700 mg/kg (cited as 8.5 mL/kg) (31)

LD50 (oral, newborn rat): 1750 mg/kg (cited as 2.2 mL/kg) (31)

LD50 (oral, mouse): 3000 mg/kg (32,unconfirmed)

LD50 (dermal, rabbit): Greater than 16000 mg/kg cited as 20 mL/kg) (30)

## SECTION 12) ECOLOGICAL INFORMATION

### Toxicity

Based on available data, the classification criteria are not met.

### Persistence and Degradability

0000067-64-1 ACETONE

91% readily biodegradable, Method: OECD Test Guideline 301B

Readily biodegradable.

### Bioaccumulative Potential

No data available.

### Mobility in Soil

0000067-64-1 ACETONE

The substance is not PBT / vPvB.

### Other Adverse Effects

No data available.

## SECTION 13) DISPOSAL CONSIDERATIONS

### Waste Disposal

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14) TRANSPORT INFORMATION

	U.S. DOT Information	IMDG Information	IATA Information
<b>UN number:</b>	UN1950	UN1950	UN1950
<b>Proper shipping name:</b>	Aerosols	Aerosols	Aerosols, flammable
<b>Hazard class:</b>	2.1	2.1	2.1
<b>Packaging group:</b>	NA	NA	NA
<b>Note / Special Provision:</b>	(LTD QTY)	(LTD QTY)	(LTD QTY)

## SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0426260-76-6	Heptane, branched, cyclic and linear	27% - 37%	SARA312, TSCA
0000075-37-6	DIFLUOROETHANE	30% - 40%	SARA312, TSCA, ACGIH, OSHA
0000067-64-1	ACETONE	10% - 20%	CERCLA, SARA312, TSCA, RCRA, ACGIH, OSHA
0008050-31-5	Resin acids and Rosin acids, esters with glycerol	8% - 15%	SARA312, TSCA
0026471-45-4	Crosslinked SBR rubber	5% - 10%	SARA312, TSCA

## SECTION 16) OTHER INFORMATION

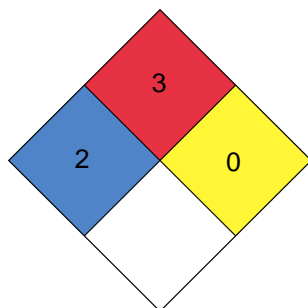
### Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

### HMIS

Health	1 / 2
FLAMMABILITY	3
Physical Hazard	0
Personal Protection	B

### NFPA



(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

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