

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID: 496575
Product Name: ZenaScreen Opener
Revision Date: May 14, 2024 **Date Printed:** May 14, 2024
Version: 1.0 **Supersedes Date:** N.A.
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:

SECTION 2) HAZARDS IDENTIFICATION

Classification

Acute toxicity Dermal - Category 4
Acute toxicity Oral - Category 4
Aspiration Hazard - Category 1
Carcinogenicity - Category 2
Eye Irritation - Category 2A
Skin Irritation - Category 2
Specific Target Organ Toxicity - Repeated Exposure - Category 2

Safety data sheet prepared in accordance to the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Pictograms



Signal Word

Danger

Hazardous Statements - Health

H312 - Harmful in contact with skin
H302 - Harmful if swallowed.
H304 - May be fatal if swallowed and enters airways
H351 - Suspected of causing cancer.
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H373 - May cause damage to organs through prolonged or repeated exposure.

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

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe mist, vapors or spray.

Precautionary Statements - Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P362 + P364 - Take off contaminated clothing. And wash it before reuse.

P330 - Rinse mouth.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 - Do NOT induce vomiting.

P308 + P313 - IF exposed or concerned: Get medical attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical attention.

P332 + P313 - If skin irritation occurs: Get medical attention.

P314 - Get Medical attention if you feel unwell.

Precautionary Statements - Storage

P405 - Store locked up.

Precautionary Statements - Disposal

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

Hazards Not Otherwise Classified (HNOC)

No data available.

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
64742-95-6	AROMATIC HYDROCARBON MIXTURE >C9	20% - 40%
95-63-6	1,2,4-TRIMETHYLBENZENE	10% - 20%
108-94-1	CYCLOHEXANONE	10% - 20%
74-98-6	PROPANE	5% - 15%
106-97-8	BUTANE	5% - 15%
1330-20-7	XYLENE	0% - 1%
98-82-8	CUMENE	0% - 0.5%

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

Ingestion is not a likely route of exposure. Get medical attention if you feel unwell.

Most Important Symptoms/Effects, Acute and Delayed

No data available.

Indication of Immediate Medical Attention and Special Treatment Needed

No data available.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam, alcohol foam, carbon dioxide, dry chemical, water fog.

Unsuitable Extinguishing Media

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

Specific Hazards Arising from the Chemical

Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will not 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.

Precautions for Firefighters

Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat.

Special Protective Equipment

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

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Ventilate area. Remove all sources of ignition.

Protective Equipment

See section 8 for specifics on protective personal equipment (PPE).

Personal Precautions

Avoid breathing vapors. Ventilate area. Wear safety glasses and gloves.

Environmental Precautions

Stop spill/release if it can be done safely.

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.

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

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 STEL (ppm)	OSHA Carcinogen	OSHA Skin designation	OSHA Tables (Z1, Z2, Z3)	ACGIH TWA (mg/m3)
1,2,4-TRIMETHYLBENZENE								
AROMATIC HYDROCARBON MIXTURE >C9	2000	500					1	[(L)[N159](L)[N800]]; [5 (I)[N159]5 (I)[N800]];
BUTANE								
CUMENE	245	50				1	1	
CYCLOHEXANONE	200	50					1	
PROPANE	1800	1000					1	
XYLENE	435	100					1	

Chemical Name	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)
1,2,4-TRIMETHYLBENZENE	10			A4	CNS impair; hematologic eff		125	25
AROMATIC HYDROCARBON MIXTURE >C9	(L)[N159](L)[N800]			[A2][N159]A2[N800]]; [A4][N159]A4[N800]];	URT irr [N159]URT irr [N800]	[A2][N159]A2[N800]]; [A4][N159]A4[N800]];		
BUTANE			1000 (EX)		CNS impair		1900	800
CUMENE	5			A3	URT adenoma; neurological eff	A3	245	50
CYCLOHEXANONE	20		50	A3	Eye & URT irr	Skin; A3	100	25
PROPANE			Simple asphyxiant (D), explosion hazard (EX)		Asphyxia		1800	1000

Chemical Name	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)
XYLENE	20				Eye irr & URT irr, hemotologic effects; CNS impair		435	100

Chemical Name	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH Carcinogen
1,2,4-TRIMETHYLBENZENE			
AROMATIC HYDROCARBON MIXTURE >C9			
BUTANE			
CUMENE			
CYCLOHEXANONE			
PROPANE			
XYLENE	655	150	

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, A4 - Not Classifiable as a Human Carcinogen, CNS - Central nervous system, eff - Effects, impair - Impairment, irr - Irritation, URT - Upper respiratory tract

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density 6.50000 lb/gal
% VOC 100%

Appearance	Clear Liquid
Odor Threshold	N/A
Odor Description	Solvent
pH	N/A
Water Solubility	Insoluble
Flammability	Flash point below 73°F/23°C
Flash Point Symbol	N/A
Flash Point	<73 °F
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	N/A

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

None known.

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

Causes serious eye irritation

Carcinogenicity

Suspected of causing cancer.

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.

Specific Target Organ Toxicity - Single Exposure

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

Specific Target Organ Toxicity - Repeated Exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard

May be fatal if swallowed and enters airways

Acute Toxicity

Harmful in contact with skin

Harmful if swallowed.

Chronic Exposure

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

Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

SECTION 12) ECOLOGICAL INFORMATION

Ecotoxicity

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

Persistence and Degradability

Readily biodegradable.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

Results of the PBT and vPvB assessment

The substance is not PBT / vPvB.

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

	IATA Information	IMDG Information	U.S. DOT Information
UN number:	UN1950	UN1950	UN1950
Proper shipping name:	Aerosols, flammable	Aerosols	Aerosols
Hazard class:	2.1	2.1	2.1
Packaging group:	NA	NA	NA
Hazardous substance (RQ):			No Data Available
Marine Pollutant:		No Data Available	No Data Available
Note / Special Provision:	(LTD QTY)	(LTD QTY)	(LTD QTY)
Toxic-Inhalation Hazard:			No Data Available

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
64742-95-6	AROMATIC HYDROCARBON MIXTURE >C9	20% - 40%	SARA312, VOC, TSCA - Toxic Substances Control Act (TSCA), ACGIH, OSHA
95-63-6	1,2,4-TRIMETHYLBENZENE	10% - 20%	SARA313, SARA312, VOC, TSCA - Toxic Substances Control Act (TSCA), ACGIH
108-94-1	CYCLOHEXANONE	10% - 20%	SARA312, VOC, TSCA - Toxic Substances Control Act (TSCA), RCRA, ACGIH, OSHA
74-98-6	PROPANE	5% - 15%	SARA312, VOC, TSCA - Toxic Substances Control Act (TSCA), ACGIH, OSHA
106-97-8	BUTANE	5% - 15%	SARA312, VOC, TSCA - Toxic Substances Control Act (TSCA), ACGIH
1330-20-7	XYLENE	0% - 1%	SARA313, HAPS, SARA312, OC_HAPS, VOC, TSCA - Toxic Substances Control Act (TSCA), RCRA, ACGIH, OSHA, OH_TAP - Ohio Toxic Air Pollutant, OH_HAP - Ohio Hazardous Air Pollutant
98-82-8	CUMENE	0% - 0%	SARA313, HAPS, SARA312, OC_HAPS, VOC, TSCA - Toxic Substances Control Act (TSCA), RCRA, ACGIH, CA_Prop65 - California Proposition 65,

SECTION 16) OTHER INFORMATION

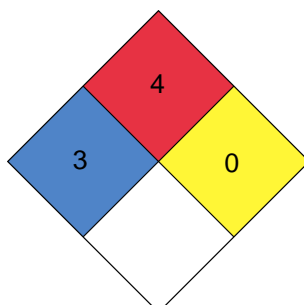
Glossary

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	/ 3
FLAMMABILITY	4
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

Version 1.0:

Revision Date: May 14, 2024
 First Edition.

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