

Safety Data Sheet

ZenaFast

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ZenaFast
SDS Number: 499075
Revision Date: May 14, 2026
Version: 4.0
Supersedes Date: Feb 29, 2024
Product Type: Aerosol Solvent Cleaner & Degreaser

Supplier Details: Zenex International
1 Zenex Circle
Cleveland, OH 44146

Phone: (440)-232-4155
Emergency: 1-800-535-5053

NOTE: The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We provide this information as guidance for providing personal protection to your employees. The user has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. The user must meet all applicable safety and health standards. We provide this information as guidance for providing personal protection to your employees.

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Aerosols, 1
Health, Aspiration hazard, 1
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2A
Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H222 - Extremely flammable aerosol.
H229 - Pressurized container; may burst if heated.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

GHS Precautionary Statements:

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read carefully and follow all instructions.

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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.
P261 - Avoid breathing mist, vapors or spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, eye protection and face protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor if you feel unwell.
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.
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.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
P403 + P405 - Store in a well-ventilated place. Store locked up.
P501 - Dispose of contents and container in accordance with local, regional, national and international regulations..

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients

CAS#	%	Chemical Name
68410-97-9	80-90%	Distillates, petroleum, light distillate hydrotreating process, low-boiling
124-38-9	1-10%	Carbon dioxide
67-63-0	1-10%	Isopropyl alcohol
64-17-5	1-10%	Ethanol
142-82-5	1-4%	Heptane

4 FIRST AID MEASURES

Inhalation:

Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary. Contact a physician.

Skin Contact:

Wash with soap and water. Remove any contaminated clothing and launder before reusing. If irritation persists, seek medical attention.

Eye Contact:

Flush with warm water for 15 minutes. Seek medical attention.

Ingestion:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

5 FIRE FIGHTING MEASURES

Flash Point:

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<30F

Extinguishing Media:

Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen, take proper precautions when using these materials.

Unusual Fire & Explosion Hazards:

This material may be ignited by extreme heat, sparks, flames or other ignition sources (static electricity). Vapors are heavier than air and will collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire, they may rupture and ignite.

Special Fire Fighting Procedures:

At elevated temperatures (over 130F) aerosol container may burst, vent or rupture; use equipment or shielding to protect personnel. Cooling exposed containers with streams of water may be helpful. Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material will float on water, avoid spreading the fire.

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ACCIDENTAL RELEASE MEASURES

Spill or Leak Instructions

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

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HANDLING AND STORAGE

Handling Precautions:

Store below 120°F in cool, dry area, out of direct sunlight and away from strong oxidizers. Do not puncture or burst. Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers Do not incinerate

Storage Requirements:

Store in a cool, dry area, away form heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

Personal Protective Equipment:

HMIS PP, B | Safety Glasses, Gloves

Protective Equipment:

Use synthetic gloves if necessary to prevent excessive skin contact. Do not wear contacts and always use ANSI approved safety glasses or splash shield.

Engineering Controls:

General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

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Respiratory Protection:

Use adequate ventilation to maintain exposure limits. If the exposure limits of the products or any of its components is exceeded, an approved organic vapor mask should be used (consult your safety equipment supplier). Above exposure levels an approved self-contained breathing apparatus or airline respirator with full face-piece is required

Other Suggested Equipment:

Eye wash station and emergency showers should be available. Spill containment equipment should be available.

Discretion Advised:

We take no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

Carbon dioxide (propellant) cas#:(124-38-9) [1-10%]

Components with workplace control parameters

TWA 5,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Asphyxia

STEL 30,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Asphyxia

TWA 10,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
18,000 mg/m³ 1910.1000
Exposures under 10,000 ppm to be cited as de minimus.

STEL 30,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
54,000 mg/m³ 1910.1000

TWA 5,000 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
9,000 mg/m³ Limits for Air Contaminants
The value in mg/m³ is approximate.

TWA 5,000 ppm USA. NIOSH Recommended Exposure Limits
9,000 mg/m³
Normal constituent of air (about 300 ppm).

ST 30,000 ppm USA. NIOSH Recommended Exposure Limits
54,000 mg/m³
Normal constituent of air (about 300 ppm).

Isopropyl alcohol cas#:(67-63-0) [1-10%]

Components with workplace control parameters

TWA 200 ppm USA. ACGIH Threshold Limit Values
(TLV)
Eye & Upper Respiratory Tract irritation
Central Nervous System impairment
Not classifiable as a human carcinogen

STEL 400 ppm USA. ACGIH Threshold Limit Values
(TLV)
Eye & Upper Respiratory Tract irritation
Central Nervous System impairment
Not classifiable as a human carcinogen

TWA 400 ppm USA. OSHA - TABLE Z-1 Limits for
980 mg/m³ Air Contaminants - 1910.1000

STEL 500 ppm USA. OSHA - TABLE Z-1 Limits for
1,225 mg/m³ Air Contaminants - 1910.1000

TWA 400 ppm USA. Occupational Exposure Limits

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980 mg/m³ (OSHA) - Table Z-1 Limits for Air
Contaminants

The value in mg/m³ is approximate.

TWA 400 ppm USA. NIOSH Recommended
980 mg/m³ Exposure Limits

ST 500 ppm USA. NIOSH Recommended
1,225 mg/m³ Exposure Limits

Ethanol cas#:(64-17-5) [1-10%]

Components with workplace control parameters

TWA 1,000 ppm USA. ACGIH Threshold Limit Values
(TLV)

Upper Respiratory Tract irritation
Confirmed animal carcinogen with unknown relevance to humans

TWA 1,000 ppm USA. Occupational Exposure Limits
1,900 mg/m³ (OSHA) - Table Z-1 Limits for Air
Contaminants

The value in mg/m³ is approximate.

TWA 1,000 ppm USA. NIOSH Recommended
1,900 mg/m³ Exposure Limits

Heptane cas#:(142-82-5) [1-4%]

Components with workplace control parameters

TWA 85 ppm USA. NIOSH Recommended
350 mg/m³ Exposure Limits

C 440 ppm USA. NIOSH Recommended
1,800 mg/m³ Exposure Limits
15 minute ceiling value

TWA 500 ppm USA. Occupational Exposure Limits
2,000 mg/m³ (OSHA) - Table Z-1 Limits for Air
Contaminants

The value in mg/m³ is approximate.

TWA 400 ppm USA. OSHA - TABLE Z-1 Limits for
1,600 mg/m³ Air Contaminants - 1910.1000

STEL 500 ppm USA. OSHA - TABLE Z-1 Limits for
2,000 mg/m³ Air Contaminants - 1910.1000

TWA 400 ppm USA. ACGIH Threshold Limit Values
(TLV)

Central Nervous System impairment
Upper Respiratory Tract irritation

STEL 500 ppm USA. ACGIH Threshold Limit Values
(TLV)

Central Nervous System impairment
Upper Respiratory Tract irritation

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PHYSICAL AND CHEMICAL PROPERTIES

(b) Color / Appearance:	Clear Aerosol
(f) Flammability:	Extremely Flammable Aerosol
(h) Flash Point:	< 30°F
(o) Vapor Pressure:	>30 psi
(q) Vapor Density:	>1 Air = 1
VOC:	96.5%
Evaporation Rate:	Ether = 1 Slower

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STABILITY AND REACTIVITY

Chemical Stability:

Stable

Conditions to Avoid:

Heat, spark, and open flame.

Materials to Avoid:

Strong Oxidizing Agents.

Hazardous Decomposition:

Combustion will produce carbon dioxide and possibly toxic chemicals such as carbon monoxide.

Hazardous Polymerization:

Will not occur.

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TOXICOLOGICAL INFORMATION

Potential health effects:

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause serious skin irritation.

Eyes: May cause eye irritation.

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.

Specific Target Organ Toxicity - Single Exposure: May cause drowsiness or dizziness

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

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ECOLOGICAL INFORMATION

Isopropyl alcohol cas#:(67-63-0) [1-10%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h.

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h.

other aquatic invertebrates

Immobilization EC50 - Daphnia magna (Water flea) - 6,851 mg/l - 24 h

Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h.

EC50 - Algae - > 1,000.00 mg/l - 24 h

Heptane cas#:(142-82-5) [1-4%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Carassius auratus (goldfish) - 4 mg/l - 24.0 h.

LC50 - Tilapia mossambica - 375 mg/l - 96.0 h

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 1.50 mg/l - 48 h.

other aquatic invertebrates

Persistence and degradability: Ratio BOD/ThBOD 3.5 %

Bioaccumulative potential: Indication of bioaccumulation.

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

Do not empty into drains. Avoid release to the environment.

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DISPOSAL CONSIDERATIONS

Do not puncture or burn containers. Give empty, leaking, or full containers to disposal service equipped to handle and dispose of aerosol (pressurized) containers. Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See Section 9 - Physical and Chemical Properties.

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14 TRANSPORT INFORMATION

Aerosols (limited quantity),
Class 2.1, ERG 126

AIR (IATA)
Aerosols (limited quantity),
Class 2.1, ERG 126, UN No. 1950

Vessel
Aerosol (Limited Quantity), Class 2.1, UN No 1950

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[1-10%] Carbon dioxide (propellant) (124-38-9) MASS, OSHAWAC, PA, TSCA, TXAIR

[1-10%] Isopropyl alcohol (67-63-0) MASS, NJHS, NRC, OSHAWAC, PA, SARA313, TSCA, TXAIR

[1-10%] Ethanol (64-17-5) MASS, OSHAWAC, PA, TSCA, TXAIR

[80-90%] Distillates, petroleum, light distillate hydrotreating process, low-boiling (68410-97-9) TSCA

[1-4%] Heptane (142-82-5) MASS, OSHAWAC, PA, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

MASS = MA Massachusetts Hazardous Substances List

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

NJHS = NJ Right-to-Know Hazardous Substances

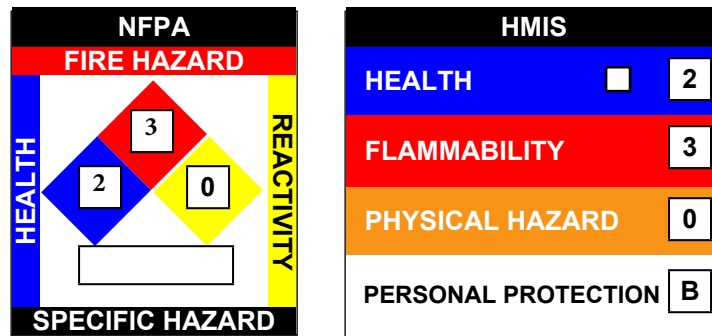
NRC = Nationally Recognized Carcinogens

SARA313 = SARA 313 Title III Toxic Chemicals

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OTHER INFORMATION

NFPA: Health = 2, Fire = 3, Reactivity = 0, Specific Hazard = n/a
HMIS III: Health = 2, Fire = 3, Physical Hazard = 0
HMIS PPE: B - Safety Glasses, Gloves



Note:
For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We make no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an SDS does not indicate that the possessor of the SDS was a purchaser or user of the subject product.

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