



Material Safety Data Sheet

Revision date: 12.02.10

Revision 1.10

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24 HOUR EMERGENCY TELEPHONE NUMBERS: INFOTRAC 1-800-535-5053

SECTION 1 IDENTIFICATION OF THE SUBSTANCE

PRODUCT NAME: CL-FAE Cleaner

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

Danger	Highly flammable.
State of matter	Liquid colorless
Odor	Pungent

Potential environmental effects

Environmental precautions: Should not be released into the environment. Prevent further leakage or spillage if safe to do so.

Potential health effects

Acute effects

Eyes

Causes eye irritation.

Skin

Prolonged or repeated contact may dry skin and cause irritation

Inhalation

May cause respiratory tract irritation

Ingestion

Aspiration hazard if swallowed - can enter lungs and cause damage

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Acetone	67-64-1	100.00

SECTION 4 FIRST AID MEASURES

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Inhalation

Move to fresh air in case of accidental inhalation of vapors. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE-FIGHTING MEASURES

Flash Point

-20 °C

Auto ignition temperature

465°C

Explosion limits

Lower explosion limit: 2.6 %(V)

Upper explosion limit: 12.8 %(V)

Fire/explosion

Flash back possible over considerable distance

Hazardous combustion products

Carbon oxides

Suitable extinguishing media

Water spray

Alcohol-resistant foam

Dry chemical

Carbon dioxide (CO₂)

Protection measures and instructions

Wear self-contained breathing apparatus and protective suit.

Further information

Cool containers / tanks with water spray.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapors or spray mist.

Environmental precautions

Should not be released into the environment. Prevent further leakage or spillage if safe to do so

Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

SECTION 7 HANDLING AND STORAGE

Safe handling advice

Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Take precautionary measures against static discharges. Ensure all equipment is electrically grounded before beginning transfer operations.

Advice on protection against fire and explosion Keep away from heat and sources of ignition. Use explosion-proof equipment

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Provide sufficient air exchange and/or exhaust in work rooms.
Personal protective equipment	
Eyes	Safety glasses with side-shields
Skin	Protective suit and safety shoes
Inhalation	In case of insufficient ventilation, wear suitable respiratory equipment
Hand protection	Gloves suitable for permanent contact:
Hygiene measures	Wash hands before breaks and immediately after handling the product.
Protective measures	Wear suitable protective equipment

Exposure Guidelines

Components Exposure limit(s)

Acetone

US. ACGIH Threshold Limit Values time weighted average 500 ppm
US. ACGIH Threshold Limit Values Short term exposure limit 750 ppm
US. NIOSH: Pocket Guide to Chemical Hazards Recommended exposure limit (REL): 250 ppm (590 mg/m³)
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Permissible exposure limit 1,000 ppm (2,400 mg/m³)
US. OSHA Table Z-1-A (29 CFR 1910.1000) time weighted average 750 ppm (1,800 mg/m³)
US. OSHA Table Z-1-A (29 CFR 1910.1000) Short term exposure limit 1,000 ppm (2,400 mg/m³)

PEL= Permissible Exposure Limits
TLV= Threshold Limit Value
EL= Excursion Limit

TW Time Weighted Average (8 hr.)
STEL= Short Term Exposure Limit (15 min.)
WEEL= Workplace Environmental Exposure Level

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Color	colorless
Odor	pungent
Form	liquid
Boiling point/boiling range	56.2 °C
Flash point	-20 °C
Lower explosion limit	2.6 %(V)
Upper explosion limit	12.8%(V)
Vapor pressure	307.974 hPa at 25 °C
Solubility	soluble
Viscosity	0.4 mm ² /s
Melting point/range	-95.35 °C
Density	0.79 g/cm ³

SECTION 10 STABILITY AND REACTIVITY

Conditions to avoid	Heat, flames and sparks
Hazardous decomposition products	Carbon oxides
Incompatible products	Strong oxidizing agents Incompatible with acids. Halogenated compounds
Hazardous reactions	Hazardous polymerization does not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute oral toxicity	Acetone	LD50 rat: 5,800 mg/kg; literature value
Acute inhalation toxicity	Acetone	LC50 rabbit: > 30 mg/l; literature; 4 h
Acute dermal toxicity	Acetone	LDLo rabbit: 20,000 mg/kg literature value
Skin irritation	Acetone	rabbit: moderately irritating; literature value
Eye irritation	Acetone	rabbit: moderate eye irritation; Draize test

SECTION 12 ECOLOGICAL INFORMATION

Biodegradability	Acetone	100%; 5 d; 89%; 21 d
Bioaccumulation	Acetone	1

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Classification	US. EPA Resource Conservation and Recovery Act: (RCRA) D List of Characteristic Hazardous Wastes (40 CFR 261.21-24): D001
Waste from residues / unused products	In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with chemical or used container. The product should not be allowed to enter drains, water courses or the soil.

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Uncleaned empty packaging: Do not burn, or use a cutting torch on, the empty drum. Triple rinse containers., Can be offered for recycling, re-conditioning or puncture.

SECTION 14 TRANSPORT INFORMATION

DOT/49CFR	UN 1090 Acetone, 3, II
ADR	UN 1090 Acetone, 3, II
RID	UN 1090 Acetone, 3, II
ADNR	UN 1090 Acetone, 3, II
IMDG	UN 1090 Acetone, 3, II, EmS F-E, S-D
ICAO/IATA	UN 1090 Acetone, 3, II

SECTION 14 REGULATORY INFORMATION

U.S. Federal Classifications:

OSHA Hazards Flammable Liquid, Mild eye irritant, Mild respiratory irritant
SARA 311/312 Fire Hazard, Acute Health Hazard

U.S. Regulated Ingredients:

Hazard information reporting

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313

Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components CAS-No.

No chemicals in this product are subject to the reporting requirements of SARA Title III, CERCLA 67-64-1 Reportable Quantity 5,000 lbs.

Inventories

EU list of existing chemical substances

All chemical constituents are listed in: EU list of existing chemical substances

US TSCA Inventory

All chemical constituents are listed in: US TSCA Inventory \

Australian Inv. of Chem. Substances AICS

All chemical constituents are listed in: Australian Inv. of Chem. Substances AICS

Canadian Domestic Substances List DSL

All chemical constituents are listed in: Canadian Domestic Substances List DSL

Jap. Inv. of Exist. & New Chemicals ENCS

All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals ENCS

Korean Exist. Chemicals List ECL

All chemical constituents are listed in: Korean Exist. Chemicals List ECL

Philippines Inv. of Chem. Subst. PICCS

All chemical constituents are listed in: Philippines Inv. of Chem. Subst. PICCS

Inv. of Exist. Chem. Substances in China

All chemical constituents are listed in: Inv. of Exist. Chem. Substances in China

Other international regulations

WHMIS Classification B2: Flammable Liquid

D2B: Toxic Material Causing Other Toxic Effects

SECTION 16 OTHER INFORMATION

Hazard Ratings

	Health	Fire	Reactivity Hazard
HMIS	1	3	0
NFPA	1	3	0

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