



CHASBKARAN SAHELE ARAS CO.

MATERIAL SAFETY DATA SHEETS

FINAL INJECTOR CLEANER

SECTION 1: IDENTIFICATIONS OF THE SUBSTANCE /MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form : MIXTURE
Trade name : FINAL INJECTOR CLEANER
Type of product : AEROSOLS
Product group : TRADE PRODUCT

1.2. Relevant identified uses of the substance or mixture and uses discouraged

Intended for general public

1.3. Details of the supplier providing the safety data sheet

Head office: Chasbkaran Sahel Aras Co. 4th Floor, No.2, Mahan Bldg, Mojahedi Alley, Tavanir Blvd, Valiasr, Tabriz, Iran

Phone: +98 (41) 4196

info@csa-team.com

www.chasbkaran.com

1.4. Emergency telephone number

In Case Of Emergency : +98 (41) 4196

SECTION 2: HAZARDS IDENTIFICATION

2.1. Hazard classification

Flammable aerosol 1
Gas under pressure Liquefied gas
Skin Corrosion/Irritation 3
Eye Damage/Irritation 2B
Reproductive toxin 1A
Aspiration hazard 1

SIGNAL WORD: Danger

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Percent
TOLUENE	108-88-3	54.00
ACETONE	67-64-1	25.00
PROPANE	74-98-6	10.00
METHANOL	67-56-1	10.00

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

Eye contact: Wash immediately with large volumes of fresh water for at least 15 minutes.

Get medical attention.

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

Ingestion: Not a likely route of exposure.

4.2. Most important symptoms and effects, both acute and delayed : Repeated exposure may cause skin dryness or cracking. May cause drowsiness or dizziness.

4.3. Indication of any immediate medical attention and special treatment needed: None known

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media: Foam, Alcohol foam, CO2, Dry chemical, Water fog. Water spray may be ineffective

5.2. 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 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

5.3. Special equipment and precautions for fire-fighters: Water may be used to cool containers to prevent pressure buildup and explosion when exposed to extreme heat. Wear goggles and use self-contained breathing apparatus . If water is used, fog nozzles are preferred

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures: Avoid breathing vapors. Ventilate area.

Remove all sources of ignition.

6.2. Environmental precautions: Clean up with absorbent material and place in closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling: 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. See product label for additional information.

7.2. Conditions for safe storage, including any incompatibilities Store and use in cool, dry, well-ventilated areas. Do not store above 120 F.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
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TOLUENE 108-88-3	TWA: 200 ppm, 8 HOUR CEIL: 300 ppm PEAK: 500 ppm, 10 minute	TWA: 20 ppm 8 hour	
ACETONE 67-64-1	PEL-TWA: 750 ppm	TLV-STEL 750 ppm TLV-TWA 500 ppm	
PROPANE 74-98-6	Not established	TWA: 1000 ppm	
METHANOL 67-56-1	PEL: 200 ppm	TWA: 200 ppm; STEL: 250 ppm	NIOSH: REL: 200 ppm; STEL: 250 ppm;

8.1 Appropriate engineering controls:

Ventilation should be sufficient to prevent inhalation of any vapors. General dilution and/or local exhaust ventilation in volume to keep PEL/TLV of most hazardous ingredient below acceptable limit and let below stated limit.

8.2. Individual protection measures:

Respiratory protection: None under normal use. 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. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Protective gloves: None under normal use; Use solvent-resistant for prolonged or repeated contact.

Eye protection: None under normal use. However, use of safety glasses with splash guards or full face shield should be used if indicated.

Other protective clothing or equipment: None under normal use. However, use of solventresistant aprons or other clothing is recommended. Eye washes and safety showers in the workplace are recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aerosol product
Odor:	Solvent
Odor threshold:	Not determined
pH:	Not applicable
Melting point:	Not determined
Boiling point:	Not determined
Freezing point:	Not determined
Evaporation rate:	Slower than ether
Density:	Not determined
Vapor Pressure:	Not determined
Vapor Density:	Heavier than air



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Solubility:	Not determined
Flash point:	Not determined
Flammability:	Level 3 Aerosol
Partition coefficient (n octanol/water):	Not determined
Explosive Limits:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Not reactive under normal conditions of use.
- 10.2. Chemical stability:** Stable under normal storage and handling conditions.
- 10.3. Possibility of hazardous reactions May react with:** None known.
- 10.4. Incompatible materials:** Acids, Bases, Strong oxidizing agents.
- 10.5. Hazardous decomposition products:** Carbon dioxide, carbon monoxide, smoke, fumes, and other products of incomplete combustion

SECTION 11: TOXICOLOGICAL INFORMATION

Long-term toxicological studies have not been conducted for this product.

SECTION 12: ECOLOGICAL INFORMATION

Long-term ecological studies have not been conducted for this product

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of this document for hazard cautionary information.

SECTION 14: TRANSPORT INFORMATION

- 14.1. By land:** DOT Proper Shipping Name: None required per 49 CFR 173.306(i) for products that conform to the Limited Quantity provisions. Commodity shipping description: Cleaning Compound, NOI.
- 14.2. By water:** DOT & IMDG Proper Shipping Name: UN1950, Aerosols, 2.1, LTD QTY.
- 14.3. By air:** DOT & IATA Proper Shipping Name: UN1950, Aerosols, flammable, 2.1, LTD QTY (packing instruction Y203 applies)

SECTION 15: REGULATORY INFORMATION

All ingredients are either listed on the TSCA inventory or are exempt

SECTION 16: ADDITIONAL INFORMATION

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. BECAUSE THE INFORMATION CONTAINED HERE IN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL, WE ASSUME NO RESPONSIBILITY FOR ITS USE.