

Safety Data Sheet

A/C ZERO LEAK

SDS Revision Date:

1/12/2023



1. Identification

1.1. Product identifier

Product Identity

A/C ZERO LEAK

Alternate Names

90-704, Blended Formula, A/C Zero Leak, Permanent "Stop Leak" for A/C Systems- 5 gallon

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

A/C Zero Leak stops leaks in automotive and residential A/C systems. Its Polymer-free formulation prevents hardening before finding a leak.

Application Method

Read all precautions and instructions carefully before and after use

1.3. Details of the supplier of the safety data sheet

Company Name

ComStar International Inc.
20-47 128th Street,
College Point, NY 11356

Telephone No.

718-445-7900
800-328-0142
Fax: 718-353-5998

Emergency 24 HR response No: 1-800-424-9300 & 703-527-3887 CHEMTREC

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure, or accident. Please direct all other inquiries to our customer service phone number.

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Irrit: 2, H315 May cause skin irritation

Eye Irrit: 2A, H319 May cause eye irritation

Acute tox: 4, H302

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Signal Word

Warning

[Hazard Statement(s)]

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

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[Prevention]:

Precautionary statements

Wear protective gloves.

Wear eye protection / face protection.

Wash thoroughly after handling.

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

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If swallowed: Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Rinse mouth.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse

Dispose of contents/container in accordance with local/regional/national/ international regulations

[Response]:

P312: Call a poison center or doctor / physician if you feel unwell.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

Classification system

Health=1; Fire=1; Reactivity=0



NFPA ratings (scale 0-4)

Health=1; Fire=1; Reactivity=0

HEALTH	1
FIRE	1
REACTIVITY	0

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3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
(3-AMINOPROPYL) TRIMETHOXYSILANE CAS#: 13822-56-5	10-30%	N/A	
TETRAETHYL ORTHOSILICATE CAS#: 78-10-4	10-30%	N/A	
(3-AMINOPROPYL) TRIETHOXYSILANE CAS#: 919-30-2	7-13%	N/A	
HYDROCARBON OILS CAS#: 8020-83-5	15-40%	N/A	
QUINOLINE YELLOW (SOLVENT YELLOW) CAS#: 8003-22-3	10-30%	N/A	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade se

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.
Inhalation	In case of unconsciousness, place patient securely on side position for transportation.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	No specific symptom data available. See section 2 for further details.
Inhalation	Harmful if inhaled.

5. Fire-fighting measures

5.1. Extinguishing media

Use fire-fighting measures that suit the environment.

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5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and protective clothing.

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

ERG Guide No. ---

6. Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Not required

6.2. Environmental precautions

Do not allow spills to enter sewers/ surface/drains/ ground water or waterways.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (i.e., sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. Dispose of the collected material according to regulations.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Prevention of Fire and Explosion:

No special measures required

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: No special requirements

Further information about storage conditions: Keep receptacle tightly sealed

Specific end use(s) No further relevant information available

8. Exposure controls and personal protection

8.1. Control parameters

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Exposure

Components with occupational exposure limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information

The lists that were valid during the creation were used as basis.

8.2. Exposure controls

Personal protective equipment

General protective and hygienic measures Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Breathing equipment Not required

Protection of hands The glove material must be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material The exact break-through time must be determined and observed by the manufacturer of the protective gloves.

Eyes Safety glasses with side shields, goggles or face shield are recommended.

Skin Wear overalls to keep skin contact to a minimum.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance

Form	Liquid
Color	See product
Odor	Not determined
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	Not applicable
Initial boiling point and boiling range	>570°F (>298°C)
Flash Point	>450°F (>232°C)

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Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Not determined
Lower	Not determined
Upper	Not determined
Vapor pressure (Pa)	<0.003 kPa
Vapor Density	0.85-0.89
Specific Gravity	Not determined
Solubility in Water	Not miscible
Partition coefficient n-octanol/water (Log Kow)	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity (cSt) Dynamic	Varies with grade
Viscosity	Varies with grade
Solvent content	
Organic solvents	0.00%
Volatiles (% by weight)	
Octanol/Water Partition Coefficient	

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

No further relevant information available

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No dangerous reactions known

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No hazardous decomposition data available.

11. Toxicological information

Information on toxicology effects

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Acute toxicity

HYDROCARBON OIL

Oral LD50 (Rat): > 5g/kg

Dermal LD50 (Rat): >2g/kg

3-AMINOPROPYL TRIMETHOXYSILANE

Oral LD50 (Rat): 700 mg/kg

Inhalation LD50 (Rat): 250 ppm/4hr

Inhalation LD50 (MUS): 1000mg/m³ /10 M

TETRAETHYL ORTHOSILICATE

Oral LD50 (Rat): 11,300 mg/kg

Dermal LD50 (Rabbit): 3,450 mg/kg

QUINOLINE YELLOW (SOLVENT YELLOW)

Dermal LD50 Skin (GPG): 100 mg Open Sev.

Inhalation LC50 (MUS): 2,400 mg/m³ /2 hr

Primary irritant effect	
On the skin	Irritant to skin and mucous membranes
On the eye	Irritant effect. Causes serious eye irritation
Additional toxicology information	
The product shows the following dangers according to internally approved calculation methods for preparations: Harmful. Irritant.	
Carcinogenic categories	
IARC (International Agency for Research on Cancer)	
None of the ingredients are listed	
NTP (National Toxicology Program)	
None of the ingredients are listed	
OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients are listed	

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

No further relevant information available.

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

Additional ecological information.

General notes

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Water hazard class 1 (Self-assessment): slightly hazardous for water

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state, and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	Not Regulated
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): No Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

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To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Pennsylvania RTK Substances (>1%):

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

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