

SAFETY DATA SHEET



Date Prepared : 04/17/18

A/C RENEW (Connect Inject) (4057-56, 4057-55, 4057-54)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: A/C RENEW (Connect Inject) (4057-56, 4057-55, 4057-54)

PRODUCT DESCRIPTION: Refrigeration Lubricant Additive

MANUFACTURER

Nu-Calgon
2611 Schuetz Road
St. Louis, MO 63043
Emergency Phone:
800-554-5499

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC: 800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2

GHS LABEL



SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.

PRECAUTIONARY

STATEMENTS

Prevention:

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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

P321: Specific treatment (see first aid measures on this label).

P332+P313: If skin irritation rash occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Proprietary Ester	*	Proprietary
Benzene, C10-16- Alkyl Derivs.	*	Proprietary

COMMENTS: Ingredients and composition are withheld as trade secret in accordance with 29CFR1910.1200(i).

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Immediately rinse skin with plenty of water. If irritation occurs, remove affected clothing. Get medical attention if irritation persists. Wash affected clothing separately before reuse.

INGESTION: Rinse mouth with water. Drink plenty of water. Do not induce vomiting. Get immediate medical attention if you feel unwell. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If breathing is difficult seek medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: May cause eye irritation.

SKIN: Mild skin irritation.

INGESTION: May cause gastrointestinal irritation, nausea, and diarrhea.

ACUTE EFFECTS: None Expected.

CHRONIC EFFECTS: None Expected.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-flammable.

GENERAL HAZARD: Do NOT use water stream or water jet.

EXTINGUISHING MEDIA: Use extinguishing media appropriate to surrounding fire. CO₂, dry chemical, water spray, foam.

HAZARDOUS COMBUSTION PRODUCTS: May produce toxic fumes.

OTHER CONSIDERATIONS: Keep adjacent containers cool with water spray. Not classified as flammable but will burn.

EXPLOSION HAZARDS: None Expected.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

FIRE FIGHTING EQUIPMENT: In case of fire, wear a full-face positive pressure self contained breathing apparatus and protective suit.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxidizers of carbon.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain and soak up spill with absorbent material. Place residues in a suitable, sealed and labeled container.

LARGE SPILL: Contain spill with inert, absorbent material. Reclam into recovery or salvage drums or vacuum truck for proper disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Prevent material from entering drains or watercourses using sand, earth or other appropriate barriers.

LAND SPILL: Prevent contamination of the soil.

GENERAL PROCEDURES: Avoid contact with skin or eyes. Avoid contact with spilled materials. Use appropriate personal protective equipment.

SPECIAL PROTECTIVE EQUIPMENT: Use protective equipment recommended in Section 8.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Handle in accordance with good industrial hygiene and safety practices.

HANDLING: Use only in a well ventilated area. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing. Keep away from heat and flame. Wash hands before eating, drinking, or smoking.

STORAGE: Keep container tightly closed in a dry, well-ventilated place. Store away from incompatible materials (see section 10).

STORAGE TEMPERATURE: Ambient

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical ventilation is recommended when working at elevated temperatures. Eye washes and showers for emergency use.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) or a face shield.

SKIN: Use protective clothing, sleeves, boots, face protection and chemical resistant gloves. Use extra precautions when working with heated materials.

RESPIRATORY: Use appropriate NIOSH approved respirator if necessary or risk of insufficient ventilation.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face before eating, drinking, smoking and using the restroom. Launder contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: Amber/Yellow Liquid

COLOR: Clear to Orange.

PHYSICAL STATE COMMENTS: Clear, bright, viscous.

pH: Not Available

FLASH POINT AND METHOD: > 165°C COC-ASTM D-92

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

BOILING POINT: Not Available

POUR POINT: < -25°C

THERMAL DECOMPOSITION: Not Available

SPECIFIC GRAVITY: ~ 0.91 at 20°C

VISCOSITY #1: 75 to 100 cSt at 40°C

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: None Expected.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat, sparks or open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

INCOMPATIBLE MATERIALS: Strong oxidizers. Strong Lewis or mineral acids. Alkaline materials.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: > 10000 mg/kg - Rabbit

ORAL LD₅₀: > 5000 mg/kg - rat

SERIOUS EYE DAMAGE/IRRITATION: Not a primary irritant.

RESPIRATORY OR SKIN SENSITISATION: None Expected.

GERM CELL MUTAGENICITY: None Expected.

CARCINOGENICITY

NOTES: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, ACGIH or OSHA.

REPRODUCTIVE TOXICITY: Not Available

STOT-SINGLE EXPOSURE: Not Available

STOT-REPEATED EXPOSURE: Not Available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Ecotoxicological data have not been determined specifically for this product. The information below is given based on knowledge of the components.

ECOTOXICOLOGICAL INFORMATION: This product is not expected to be toxic to aquatic life.

BIOACCUMULATION/ACCUMULATION: Expected to have a very slow rate of bioaccumulation.

DISTRIBUTION: Insoluble in water. Adsorbs to soil and has low mobility.

AQUATIC TOXICITY (ACUTE): Not Available

CHEMICAL FATE INFORMATION: Readily biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents/container to a licensed contractor or facility in accordance with local, state and federal regulations.

EMPTY CONTAINER: Clean container thoroughly and dispose to licensed disposal contractor.

RCRA/EPA WASTE INFORMATION: This product does not meet the criteria of a hazardous waste as defined in 40 CFR 261 as it does not exhibit the characteristics of hazardous waste.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated for transport

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All components listed or exempt.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): All components are listed or exempt.

16. OTHER INFORMATION

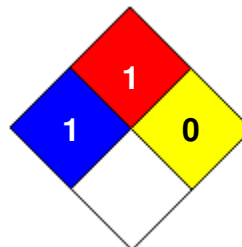
REASON FOR ISSUE: New

Date Prepared: 04/17/2018

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



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