



SAFETY DATA SHEET

Date Issued : 10/29/2015
 SDS No : 0374
 Date Revised : 06/10/2019
 Revision No : 1.1

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

1. PRODUCT AND COMPANY IDENTIFICATION

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

PRODUCT DESCRIPTION: Refrigeration Lubricant Additive

MANUFACTURER

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

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2

GHS LABEL



Exclamation
 mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.

PRECAUTIONARY STATEMENTS

Prevention:

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

P264: Wash skin thoroughly after handling.

Response:

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P361+P364: Take off immediately all contaminated clothing and wash it before reuse.

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

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

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: All components listed or exempt.

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: All components listed or exempt.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals at detectable levels known to the State of California to cause cancer, birth defects, or any other reproductive harm.

CLEAN WATER ACT: This material does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

CANADA

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

16. OTHER INFORMATION

REASON FOR ISSUE: Updated to GHS Format with GHS classification

APPROVED BY: L.Myers **TITLE:** Global Regulatory

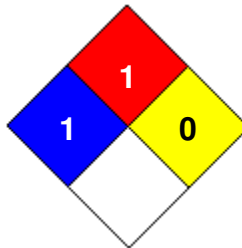
PREPARED BY: C.Cardenas **Date Revised:** 06/10/2019

REVISION SUMMARY: This SDS replaces the 10/29/2015 SDS. Revised: **Section 1:** 24 HR. EMERGENCY TELEPHONE NUMBERS. **Section 15:** CERCLA REGULATORY, CLEAN WATER ACT, 313 REPORTABLE INGREDIENTS, TSCA REGULATORY, TSCA STATUS, CALIFORNIA PROPOSITION 65.

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



MANUFACTURER DISCLAIMER: The information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.