

# 1. IDENTIFICATION

Product Name A/C Re~New (4057-54, 4057-55)

Product Use Air Conditioning/Refrigeration Applications

Supplier Nu-Calgon Wholesaler Inc.

2008 Altom Ct. St. Louis, MO 63376-USA

Contact Numbers 800-554-5499

E-mail Contact for SDS info@nucalgon.com

**Emergency Telephone** 

Number

CHEMTREC: 800-424-9300

### 2. HAZARDS IDENTIFICATION

Hazard Classification Precautionary Statements

Not classified as hazardous according to 29CFR

1910.1200

None required.

# 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Description:** Mixture

Component CAS No. Concentration (%)

Alkylbenzenes, C10-16 68648-87-3 5-20

Proprietary Ester \* 80-95

(\*) Our company is withholding the specific chemical composition under provision of the OSHA Hazard Communication Rule Trade Secrets. The specific composition will be made available to health professionals in accordance with 29 CFR 1910.1200(i)(1-4).

#### 4. FIRST AID MEASURES

**Inhalation** Remove to fresh air. Obtain medical attention if discomfort persists.



**Skin** Remove contaminated clothing. Immediately wash off with plenty of water for at least

15 minutes and follow by washing with soap and water if available. If redness,

swelling, pain occurs, obtain immediate medical attention..

Eye Immediately flush eye with plenty of water for at least 15 minutes while holding

eyelids open and obtain medical attention if irritation occurs.

Ingestion Wash out mouth with water. Obtain medical attention. Do not induce vomiting. If

vomiting occurs spontaneously, keep head below the hips to prevent aspiration.

Never give anything by mouth to an unconscious person.

# 5. FIRE FIGHTING MEASURES

may be used for small fires only.

Unsuitable extinguishing

media

Water in a jet.

Fire fighting procedures Do not enter any enclosed or confined fire space without proper protective

equipment including self contained breathing apparatus. Keep adjacent containers

cool by spraying with water.

**Combustion products**Normal combustion forms carbon dioxide and water vapour. Incomplete combustion

may produce carbon monoxide. Not classified as flammable but will burn.

# 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Avoid contact with skin and eyes. Evacuate the area of all non-essential personnel.

Shut off leaks, if possible without personal risk.

**Personal Protection** Wear protective clothing specified for normal operations (see section 8).

**Environmental Protection** Prevent contamination of soil and water. Prevent from spreading or entering into

drains or watercourses by using sand, earth, or other appropriate barriers.

Clean up methods - small

spillage

Absorb or contain liquid with sand, earth, or spill control material. Shovel up and

place in a labelled, sealable container for subsequent safe disposal.

Clean up methods - large

spillage

Transfer to a salvage tank for recovery or safe disposal. Do not flush away residues

with water. Treat residues as for small spillages.

#### 7. HANDLING AND STORAGE

**Handling** Avoid breathing vapors and/or mists. Avoid contact with skin, eyes and clothing.

Use only in well ventilated areas.



Storage

Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition. For containers, or container linings use mild steel, stainless steel.

steel

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

None established.

Engineering Control Measures

Use only in well-ventilated areas.

**Respiratory Protection** 

If engineering controls do not maintain airborne concentrations to a level, which is adequate to protect worker health, select Respiratory Protective equipment suitable for the specific conditions of use and meeting relevant legislation. Check with Respiratory Protective Equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter suitable for organic gases and vapours (boiling point >65°C (149°F) meeting EN141. Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure Breathing Apparatus.

**Hand Protection** 

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739, AS/NZS:2161) made from the following materials may provide suitable chemical protection: PVC, neoprene and

nitrile rubber.

**Eye Protection** 

Chemical splash goggles (chemical monogoggles).

**Body Protection** 

Use protective clothing, which is chemically resistant to this material.

Safety shoes or boots should be chemical resistant.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Physical stateFlammabilityViscous yellow to deep amber liquidNot applicable

OdorVapor Densitymild with slight petroleum characterisicsNot available

Odor ThresholdRelative densityNot available0.90-0.91 (20°C)

**pH-value**Not available

Density
not available

**Melting/Freezing Point**-41 °C

Solubility
negligible



**Initial Boiling Point & Range** 

Not available

Flash Point

Closed cup: >172°C (340°F)

**Evaporation Rate** 

Not available

**Upper/Lower Explosion Limits** 

Not available

Vapor Pressure Not available Partial coefficient (n-octanol/water)

Not available

**Auto-ignition Temperature** 

>340 °C (>644 °F)

**Decomposition Temperature** 

Not available

**Viscosity** 

Kinematic 52 cSt @ 40°C

# 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions of use.

**Conditions To Avoid** Excessive heat, sparks and open flames.

Incompatible Materials Strong oxidising. Strong Lewis or mineral acids. Strong alkalis.

**Thermal Decomposition** 

**Products** 

Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes

combustion or thermal or oxidative degradation.

### 11. TOXICOLOGICAL INFORMATION

**Basis for assessment** Information given is based on animal toxicology data for similar compounds.

Skin irritation: (Draize) believed to be between 3-5 (rabbit) moderately irritating (maximum 8)

Eye irritation (Draize) believed to be < 15 (rabbit) no appreciable effect (maximum 110)

Acute toxicity - Dermal LD50 believed to be > 10 g/kg (rabbit) practically non-toxic

**Sensitization** Not expected to be a skin or respiratory sensitizer.

Acute toxicity - Inhalation ND.

Acute toxicity - Oral LD50 believed to be > 5 g/kg (rat) practically non-toxic

Repeated dose toxicity ND.

Mutagenicity Not mutagenic

Developmental toxicity ND.

**Carcinogenicity** Not listed by IARC, OSHA, ACGIH or NTP.



# 12. ECOLOGICAL INFORMATION

Basis for Assessment Ecotoxicological data have not been determined specifically for this product. The

information given below is based on knowledge of the components and historical

experience.

**Mobility** Insoluble in water

**Persistence/degradability** Estimated to beless than 40% degradable over a test period of more than 28 days.

**Bioaccumulation** Estimated to have a very slow rate of bioaccumulation

Freshwater Fish Toxicity ND

Freshwater Invertebrates

**Toxicity** 

ND

Acute toxicity - algae ND

Acute toxicity - bacteria ND

#### 13. DISPOSAL CONSIDERATIONS

Waste disposal Recover or recycle if possible. Otherwise: Dispose to licensed disposal contractor

Container disposal Drain container and rinse thoroughly. Puncture container to avoid reuse. Dispose to

licensed disposal contractor.

**Local Legislation** The recommendations given are considered appropriate for safe disposal. However,

local regulations may be more stringent and these must be complied with.

#### 14. TRANSPORT INFORMATION

**DOT Classification** Not regulated for Transport

#### 15. REGULATORY INFORMATION

# INTERNATIONAL REGISTRATION:

**TSCA (USA)** All components listed or exempted.

**EINECS (EC)** All components listed or exempted.



### 16. OTHER INFORMATION

**HEALTH HAZARD: 1** 

**FIRE HAZARD: 1** 

**REACTIVITY: 0** 

Prepared by: Nu-Calgon Technical

Abbreviations: ND: No data available

**Revisions:** July 7, 2013: Original

May 29, 2015: Updated to GHS format and classification

The information is based on the data of which we are aware and is believed to be correct as of the data 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.