

## Safety Data Sheet

Issue date: 03.03.2022

v 1

Last Revision Date: 05.01.2017

**1 Identification**· **Product identifier**· Trade name: **AC CHARGE PLUS 5467 Cartridges (1 fl oz)**

· Part number: 5467

· Application of the substance / the mixture fluorescent dye for refrigeration oils

· **Details of the supplier of the safety data sheet**

CAT INC - USA

103 Gypsum Rd

Stroudsburg, PA 18360 USA

Phone: (570) 402-1154

Email: info@run-rite.com

· **Manufacturer/Supplier:**

CAT Inc/Run-Rite

103 Gypsum Rd

Stroudsburg, PA 18360 USA

Phone: (570) 402-1154

· **email of person responsible:** info@run-rite.com· **Emergency telephone number:**

CHEMTREC International +1 (703) 527-3887 (outside the US), 1-800-424-9300 (in the US) 24 hr

**2 Hazard(s) identification**· **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

· **Additional information:**

This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains no known hazardous materials. This product is not controlled according to WHMIS.

· **Label elements**· **GHS label elements** Not Applicable· **Hazard pictograms** Not Applicable· **Signal word** Not Applicable· **Hazard statements** Not Applicable· **Other hazards**· **PBT:** Not applicable.· **vPvB:** Not applicable.**3 Composition/information on ingredients**· **Chemical characterization: Mixtures**· **Chemical components:**

68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	2.5-10%
192268-65-8	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	2.5-10%

· **Other Ingredients**

118685-22-6	Decanoic acid, mixed esters with dipentaerythritol, heptanoic acid, isononanoic acid, and octanoic acid	2.5-10%
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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

#### 4 First-aid measures

- **Description of first aid measures**

- **General information:** No special measures required.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

Wash with plenty of soap and water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

- **After eye contact:**

Rinse cautiously with water. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists.

- **After swallowing:** DO NOT INDUCE VOMITING. Get immediate medical attention.

- **Information for doctor:** Treat Symptomatically

- **Most important symptoms and effects, both acute and delayed** See section 11.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

#### 5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture** See section 10 for additional information.

- **Advice for firefighters**

- **Protective equipment:**

Recommend wearing self-contained breathing apparatus. Water may cause splattering.

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

Personal protective equipment must be worn. Avoid contact with skin, eyes or clothing.

- **Environmental precautions:**

In case of seepage into the ground inform responsible authorities.

No special measures required.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **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.

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## 7 Handling and storage

### · Handling:

#### · Precautions for safe handling

Keep containers closed when not in use. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

· **Information about protection against explosions and fires:** No special measures required.

### · Conditions for safe storage, including any incompatibilities

#### · Storage:

##### · Requirements to be met by storerooms and receptacles:

See section 10 for incompatible materials.

##### · Information about storage in one common storage facility:

Store in a cool dry place in tightly closed containers.

##### · Further information about storage conditions:

Keep receptacle tightly sealed.

Protect from humidity and water.

Protect from heat and direct sunlight.

· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

### · Control parameters

#### · Components with limit values that require monitoring at the workplace:

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.

### · Exposure controls

#### · Personal protective equipment:

##### · General protective and hygienic measures:

Clean skin thoroughly immediately after handling the product.

Do not store food in the working area.

The usual precautionary measures for handling chemicals should be followed.

Do not inhale dust / smoke / mist.

##### · Breathing equipment:

Avoid breathing in mist or vapor. Under normal use conditions this is not a breathing hazard.

Prolonged exposure to vapors may cause dizziness and headaches.

Use suitable respiratory protective device only when aerosol or mist is formed.

##### · Protection of hands:



Chemical resistant protective gloves

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## · Eye protection:



Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

##### · Appearance:

· Form:	Liquid
· Color:	Dark brown
· Odor:	Mineral-oil-like
· Odor threshold:	Not determined.

· pH-value: Not determined.

#### · Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined.

· Flash point: >200 °C

· Flammability (solid, gaseous): Not applicable.

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

#### · Explosion limits:

· Lower:	Not determined.
· Upper:	Not determined.

· Vapor pressure: Not determined.

· Density: Not determined.

· Relative density at 25 °C	0.88-0.95
· Vapor density	Not determined.
· Evaporation rate	Not determined.

#### · Solubility in / Miscibility with

· Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

#### · Viscosity:

· Dynamic:	Not determined.
· Kinematic at 40 °C:	90 mm <sup>2</sup> /s

#### · Solvent separation test

· VOC content: 0.00 %

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· **Other information**

No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
non determined
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Heat, open flames, sparks.
- **Incompatible materials:** May react with strong oxidizing materials.

**11 Toxicological information**· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:**

Oral	LD50	>2,000 mg/kg (rat)
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**68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene**

Oral	LD50	>5,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
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· **Primary irritant effect:**· **on the skin:**

May cause mild skin irritation. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

· **on the eye:**

May cause eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production, with possible redness and swelling.

· **Inhalation:** May cause respiratory tract irritation.· **Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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**12 Ecological information**· **Toxicity**· **Aquatic toxicity:****68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene**

LC50 (96 h) &gt;100 mg/L (Brachydanio rerio)

· **Persistence and degradability**

Persistence and Degradability 75.7 (-) (OECD 301B)

· **Behavior in environmental systems:**· **Bioaccumulative potential**

Bioaccumulation &gt; 7 (-)

· **Mobility in soil** Not Determined· **Additional ecological information:**· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.**13 Disposal considerations**· **Waste treatment methods**· **Recommendation:** Smaller quantities can be disposed of with household waste.· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.**14 Transport information**· **UN-Number**· **DOT, ADR, IMDG, IATA**

Not Regulated

· **TDG**

Not Regulated

· **UN proper shipping name**· **DOT, IMDG, IATA**

Not Regulated

· **TDG**

Not Regulated

· **Transport hazard class(es)**· **DOT, IMDG, IATA**· **Class**

Not Regulated

· **TDG**· **Class**

Not Regulated

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· <b>Packing group</b>	
· DOT, IMDG, IATA	Not Regulated
· TDG	Not Regulated
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Not Regulated

**15 Regulatory information**· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No REACH Annex XVII restrictions

Contains no REACH candidate substance

· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	ACTIVE
118685-22-6	Decanoic acid, mixed esters with dipentaerythritol, heptanoic acid, isononanoic acid, and octanoic acid	*
192268-65-8	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	ACTIVE

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Canadian substance listings:**· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:** Engineering Department· **Issue Date**

05.01.2017

JAN/06/2017

· **Revision Changes:** v 1.0 - original SDS release (JAN/06/2017)· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

NA