

Product: **Trac's GreenClean Coi Cleaner**
SDS Preperation Date: **July 1st, 2018**

Product Number: **1224-I**
Meets GHS and ISO 11014-1

SAFETY DATA SHEET

GHS and ISO 11014-1

1. Identification of the substance or mixture and of the supplier

GHS Product information:

- **Product name/Number:** Trac's GreenClean Coil Cleaner® 1224-I
- **Trade Name:** GreenClean Coil Cleaner
- **Recommended use of the chemical and restrictions on use:**
 - **General use:** Diluted 4:1. GreenClean Coil Cleaner® is an aqueous none acid coil cleaner/brightener for the removal of deposits that forms on coils over time.
 - **Uses advised against:** Do not mix with strong oxidizing agents or strong caustics

Manufacturer details:

TRAC Ecological of America, Inc.
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Dania, FL 33004 USA
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2. Hazards identification

Classification of the mixture:

- **Physical hazards:** Not classified for physical hazards.
- **Health hazards:** Can cause skin, eye and/or respiratory irritation.
- **Environmental hazards:** Not classified as hazards to the environment.

Other hazards:

- This product does not contain substances which are classified as persistent, bio-accumulative and/or toxic (PBT) or very persistent and very bio-accumulative (vPvB).

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3. Composition/information on ingredients and Substance Chemical Identity:

Chemical composition:

- Mixtures of below listed substances and other unlisted ingredients. Unlisted ingredients are not "hazardous" per the GHS Classification.

Hazardous substances			
N/A			

Additional information:

- For wording of the listed risk phrases please refer to section 16.

4. First aid measure:

- General:** In case of emergency, remove contaminated clothing.
- Inhalation:** Remove to fresh air; if breathing is difficult, give oxygen. Observe for possible delayed reaction.
- Eyes:** Immediately flush eyes with plenty of water for a few minutes. Seek medical attention if symptoms persist.
- Skin:** Immediately flush skin with plenty of water while removing contaminated clothing. Seek medical attention if irritation develops and persists.
- Ingestion:** Do not induce vomiting. Drink plenty of water (or milk if available). Seek for medical attention if symptoms persist.

5. Firefighting measures:

Suitable (and unsuitable) extinguishing media:

- GreenClean Coil Cleaner** is not flammable; use most appropriate agent to extinguish surrounding material, water - foam - powder - dry chemical.

Specific hazards arising from the chemical:

- None

Special protective equipment and precautions for firefighters:

- No special equipment and no special measures required.

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6. Accidental release measures:

Personal precautions, protective equipment and emergency procedures:

- Wear protective equipment, like:
 - gloves : rubber gloves
 - respiration protection : none
 - eyes protection : safety glasses
 - shoes : normal
 - clothing : normal
 - control mechanic device : none
- Keep unprotected persons away.

Environmental precautions:

- Rinse with water, and dispose to sewage according to Federal, National and local regulations.

Methods and materials for containment and cleaning up:

- Should be absorbed by absorbents for disposal. Must conform to Federal, National and Local regulations.

7. Handling and storage:

Precautions for safe handling:

- No special measures required.
- Information about fire - and explosion protection: Store drums away from excessive heat, basically no special measures required

Conditions for safe storage, including any incompatibilities:

- No special measures required;
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
 - Store in normal conditions, keep containers/drums sealed

8. Exposure controls/personal protection:

Personal protection:

- **Gloves:** rubber gloves
- **Respiration protection:** none
- **Eyes protection:** goggle
- **Shoes:** normal
- **Clothing:** normal
- **Control mechanic device:** none

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9. Physical and chemical properties:

- Appearance: liquid
- Color: Clear amber liquid
- Odor: N/A
- pH: 1
- Melting point: N/A
- Boiling point: 100 °C
- Freezing point: - 30 °C
- Flash point: N/A
- Evaporation rate: Same as water
- Flammability (solid, gas): N/A
- Upper/lower flammability or explosive limits: N/A
- Vapor pressure: 14 mm hg/20 °C
- Vapor density: N/A
- Relative density: 1.01
- Solubility(ies): Complete
- Partition coefficient: n-octanol/water: N/A
- Auto ignition temperature: N/A
- Decomposition temperature: N/A

10. Stability and reactivity:

- Chemical stability: Stable when stored at normal conditions and recommended temperature
- Possibility of hazardous reactions: Non Described
- Conditions to avoid: Non Described
- Incompatible materials: Avoid contact with materials such as sulphides and sulphites which could release toxic gases, and be cautious in mixing with strong Alkali bases because high heat of reaction can generate steam.
- Hazardous decomposition products: None.

11. Toxicological information:

Acute toxicity	Not classified.
Skin corrosion/irritation	Skin irritation and possible eye damage.
Respiratory sensitisation	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Carcinogenicity	Not classified.
Germ cell mutagenicity	Not classified.
Reproductive toxicity	Not classified.
Information on likely routes of exposure	
Ingestion	Irritation in mouth, throat and/or stomach.
Inhalation	May cause irritation to respiratory organs.
Skin contact	Causes irritation
Eye contact	Causes irritation
Symptoms	Not available.
Mixture versus substance Information	Not available.
Other information	Not available.

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12 Ecological information:

Toxicity	No toxicity data noted for the ingredient(s).
Persistence and (BIO)degradability	No data available
Bio-accumulative potential	Not available.
Partition coefficient; n-octanol/water (log Kow);	Not available.
Bio-concentration factor (BCF)	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
Other adverse effects	Not available.

Summary: The product is not classified as dangerous for the environment. The evaluation of environmental hazards is based on the concentration limits as set out in directive 1999/45/EC.

13 Disposal considerations:

Waste treatment methods:

- Dispose used or expended material to local sewage systems according to Federal, National and Local regulations and instructions
- After rinsing with plenty of water, empty containers may be recycled.
 - Waste code according to 2000/532/EC (product):
 - Waste code according to 2000/532/EC (package):

14 Transport information:

UN number	Not applicable
UN proper shipping name	Cleaning compound
Transport hazard	Not applicable
Packing group	Not applicable
Environmental hazards	None
Special precautions	Not applicable
U.S. (DOT) / Canadian TDG:	Not Regulated for shipping.
ICAO/ IATA:	Not classified as Hazardous
IMO / IDMG:	Not classified as Hazardous
ADR/RID:	Not classified as Hazardous

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15 Regulatory information

Safety, health and environmental regulations specific for the product in question:

- GHS system for labelling and SDS
- Current regulation in US and Canada:
 - In USA: OSHA (29 CFR 1910.1200)
 - Canada: WHMIS
- EU regulations
 - Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances; Not regulated.

Chemical safety assessment:

- Not available

14. Other information including information on preparation and revision of the SDS:

List of abbreviations:

- CAS: Chemical Abstract Service Registration Number
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- LD50: Lethal Dose, 50%
- LC50: Lethal Concentration, 50%
- EC50: Effect Concentration, 50%
- NOEL: No Observed Effect Level
- COD: Chemical Oxygen Demand
- BOD: Biochemical Oxygen Demand
- TOC: Total Organic Carbon
- CEN: European Committee for Standardisation
- EC-No: European Commission Number
- CLP: Regulation on classification, labelling and packaging of substances and mixtures
- DSD: Dangerous Substances Directive
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IATA: International Air Transport Association
- IMDG: International Maritime Dangerous Goods Code
- RID: International Rule for Transport of Dangerous Substances by Railway
- GHS: Global Harmonised System
- HCS: harmonized classification scheme

16. Other information including information on preparation and revision of the SDS *continued*:

References Safety data: sheets of raw materials

Information on evaluation method leading to the classification of mixture, the health, and environmental hazards of this mixture are assessed by applying the conventional methods as described in GHS and EU Annex II and III to Directive 1999/45/EC.