

1. Identification

Name of the product: **CT134 Rubber Roller Restorer** SDS Code: AV CT134 RRR (Label)
 Recommended use: Treat hardened rubber roller
 Use not recommended: Any use contacting skin or subject to inhaling large amount of fumes, and exposure to flame.
 Company: **Advantus Corporation**
12276 San Jose Blvd. Bldg. 618 Telephone: 904-482-0091
Jacksonville, FL 32223 Fax number: 904-482-0099
 Product Information: 904-421-1044 CHEMTREC (Transportation): (800) 424-9300
 CPR STATEMENT: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

2. Hazards identification**Emergency Overview****GHS Classification**

OSHA Hazards per 29 CFR 1910: OSHA HCS

Flammable liquid, category 2 H225

Gases under pressure (Compressed gas), H280 Gas under pressure. May explode if heated.

Reproductive toxicity, category 2 H340

GHS Label elements, including precautionary statements

Pictogram:



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapor

H280 Contains gas under pressure; may explode if heated.

Inhalation of high concentrations of vapor is harmful and may cause heart irregularities, unconsciousness or death. Intentional misuse or deliberate inhalation may cause death without warning.

Vapor reduces oxygen available for breathing and is heavier than air. Liquid contact can cause frostbite.

H313 May be harmful in contact with skin.

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H313 May be harmful in contact with skin.

H315 Causes skin irritation

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H340 May cause genetic defects.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H370 Causes damage to organs.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash hands thoroughly after handling

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

P210 Keep away from heat/sparks/open flames/hot surfaces.– No smoking.

P269 Do not breathe dust/fume/gas/mist/ vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P270 Do not eat, drink or smoke when using this product.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container. Do not pierce or burn even after use.

P270 Do not eat, drink or smoke while using this product.

P235+ P410 + P403 Keep cool. Protect from sunlight. Store in a well-ventilated place.

Hazards not otherwise classified (HNOC) or not covered by GHS - Asphyxiant

3. Composition / Information on ingredients

Chemical identity:	Carbon dioxide (propellant)	3%
Common name:	CO2	
Numbers of identity:	CAS 124-38-9	
Chemical identity:	Perchloroethylene	35%
Common name:	Perc	
Numbers of identity:	CAS 127-18-4	
Chemical identity:	VM&P Naphtha	34%
Common name:	VM&P	
Numbers of identity:	8032-32-4	
Chemical identity:	Dichloromethane	15%
Common name:	Methylene chloride	
Numbers of identity:	CAS 75-09-2	
Chemical identity:	Xylene	10%
Common name:	Xylol	
Numbers of identity:	1330-20-7	
Chemical identity:	Aromatic naphtha	
Common name:	Aromatic 100	3%
Numbers of identity:	CAS 64742-95-6	
Impurities:	None which influence category.	

4. First-aid measures

P304+313 +341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a physician.

P302+352 IF ON SKIN: Wash with soap and water.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes.
Remove contact lenses if present and easy to do; continue rinsing.

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed: Severe eye irritation. Skin irritation. Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be used with special caution only in situations of emergency life support.

5. Firefighting measures**Suitable extinguishing equipment:**

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Emergency procedures:

Fire and Explosion Hazards:

Aerosol cans may erupt with force at temperatures above 49° C (120° F)

Fire decomposition by-products will include hydrochloric acid.

Avoid contact with these materials, which are toxic and irritating. Evacuate personnel immediately in the event of a fire involving this product.

Extinguishing Media: Water Spray, Water fog, Dry Chemical, Carbon dioxide. "Alcohol" foam.

Cool cans with water spray. If gas exiting can ignites, stop flow of gas. Do not put out fire unless leak can be stopped. Self-contained breathing apparatus (SCBA) is required if containers rupture and contents are released under fire conditions.

6. Accidental release measures

Use personal protective equipment. Avoid breathing, mist or vapors. Ensure adequate ventilation.

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

The chances of a large spill or leak are unlikely in aerosol containers.

If this product is spilled and not recovered, or is recovered as a waste for treatment or disposal, the CERCLA Reportable Quantity is 100 lbs. (Release of an unlisted Hazardous Waste characteristic of ignitability).

7. Handling and storage**Precautions for safe handling:**

Avoid contact with skin and eyes. Avoid inhalation of vapors or mist. Contents under pressure.

Conditions for safe storage:

Store Locked up. Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight.

Dispose of in accordance with local/regional/national/international regulations.

Avoid breathing vapors or mist. Keep containers closed. Use only with adequate ventilation. Avoid repeated or prolonged contact with eyes, skin or clothing. Wash thoroughly after handling. Do not store in direct sunlight.

Store in cool dry place, away from heat, sparks or flames which may generate toxic decomposition products.

Vapors are heavy and may concentrate in low poorly ventilated areas.

8. Exposure controls / personal protection

Information on the system design:

Product is intended for external use only. Stay up wind, out of any spray developed.

Exposure Limits:		OSHA PEL (ppm)	ACGIH TLV (ppm)
Carbon dioxide	CAS 124-38-9	###	###
Perchloroethylene*	CAS 127-18-4	50	50
VM&P Naphtha	CAS 8032-32-4	300	300
Dichloromethane*	CAS 75-09-2	50	50
Xylene	CAS 1330-20-7	100	100
Aromatic naphtha	CAS 64742-95-6	NA	NA

NA= Not available * Suspected carcinogen-ACGIH

Personal protective equipment

Product is a liquid which forms vapors heavier than air. Avoid breathing vapors.

Protect skin from discharged liquid.

8. Exposure controls / personal protection (continued)

Engineering Controls: Ground all equipment before use. Do not use near any spark-producing electrical devices such as paper shredders or electric switches.

Respiratory Protection: Use only with adequate ventilation. Keep container closed. Use approved NIOSH self-contained or supplied air respirators for emergencies and in situations where air may be displaced by vapors.

Eye Protection: Use chemical protective safety glasses.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

Take off contaminated clothing and wash it before reuse. If exposed or concerned: Get medical advice/attention.

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

Eliminate all ignition sources if safe to do so.

Hygiene measures

Wash hands and face before breaks and immediately after handling the product.

Handle in accordance with good industrial hygiene and safety practice.

Protective Clothing:

Where there is potential for skin contact, use appropriate impervious gloves, apron, pants and jacket.

9. Physical and chemical properties

Appearance: Clear liquid under pressure
Odor: Chlorinated and organic solvent
Odor threshold: no data available
pH-value: not applicable
Melting/ freezing point: no data available
Initial boiling point: 182 deg. F
Flash point: 40 deg. F
Evaporation rate (butyl acetate = 1): 0.1
Flammability (solid, gas): Not applicable
Explosion limits: no data available
Vapor pressure: no data available
Vapor density: no data available
Relative density (water=1.00): 1
Solubility: no data available
Partition coefficient: Log Kow = no data available
Fire and Explosion Hazards: Aerosol cans may erupt forcefully at temperatures above 120°F (49°C)

Aerosol pressure @25°C= 90psi
Auto-ignition temperature: no data available
Decomposition temperature: Not available
Viscosity: no data available

10. Stability and reactivity

Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Will not occur.
Conditions to avoid: Open flames and high temperatures.
Materials to avoid/ Incompatibilities: Avoid contact with alkali metals and potassium hydroxide.
Avoid contact with oxidizing agents, caustics and water. Exposure to high temperatures or electric arcs can produce corrosive and toxic thermal oxidative decomposition by-products such as:
hydrogen chloride, phosgene, carbon monoxide.
Hazardous decomposition products: See Section 5 for action by fire.

11. Toxicological information

There is no toxicological information on the product.
Routes of Entry: Inhalation.
Oral LD50: No data available
Dermal Toxicity LD 50: No data available
Inhalation ALC, 4 hr: 383,000 ppm in rats
Eye Irritation (Rabbit) No data.
Dermal Irritation (Rabbit) No data.
Chronic Effects on Humans: No data
This product does not contain a substance at a concentration exceeding OSHA thresholds that has been listed as a carcinogen or potential carcinogen published by NTP, IARC or OSHA.
Reproductive toxicity no data available
Specific target organ toxicity - single exposure no data available
Specific target organ toxicity - repeated exposure no data available
Aspiration hazard: no data available

12. Ecological information

Ecotoxicity:
Aquatic Toxicity: no data available
Other adverse effects: no data available

13. Disposal considerations

Offer surplus and non-recyclable solutions to a licensed disposal company.
Reclaim by distillation, incinerate, or remove to a permitted waste facility.
Dispose in accordance with local, state and federal regulations.
This material may be a RCRA Hazardous waste upon disposal due to the ignitability characteristic.

14. Transport information

DOT CLASSIFICATION:

Proper Shipping Name: Consumer Commodity
 Hazard Class: ORM-D
 UN Number: Does not apply
 Packing Group: Does not apply
 Hazard Labeling: ORM, ORM-D-Air

IATA/ICAO CLASSIFICATION:

Proper Shipping Name: Consumer Commodity
 Hazard Class: Class 9, Miscellaneous
 UN Number: ID#8000
 Packing Group: Does not apply
 Hazard Labeling: Class 9, Miscellaneous

IMDG CLASSIFICATION:

Proper Shipping Name: Aerosols
 UN Number: UN1950
 Hazard Class: Class 9, Miscellaneous
 IMDG Page#: ###
 Packing Group: Does not apply.
 Flash Point (°C) : Does not apply
 Marine Pollutant: No

The description shown may not apply to all shipping situations. Consult 49CFR, OSHA or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name, labeling) and mode-specific or quantity-specific shipping requirements,

15. Regulatory information

SARA 302: None subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III, Section 313: See below

SARA 311/312 Hazards

Acute : Yes Chronic : Yes Fire : Yes Reactivity : No Pressure : Yes

TSCA Inventory Status: All components are listed in the TSCA inventory.

Product has the characteristic of flammability and qualifies as "Unlisted Hazardous Waste D001" RQ 100#.

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer. See below.

State Right-to-Know Regulations	Status of Ingredients:	MA	PA	NJ	Prop. 65	SARA 313, dm
Carbon dioxide	CAS 124-38-9	Yes	Yes	Yes	No	No
Perchloroethylene*	CAS 127-18-4	Yes	Yes	Yes	Yes	No
VM&P Naphtha	CAS 8032-32-4	No	Yes	Yes	No	No
Dichloromethane*	CAS 75-09-2	Yes	Yes	Yes	Yes	yes, 0.1
Xylene	CAS 1330-20-7	Yes	Yes	Yes	Yes	yes, 1
Aromatic naphtha	CAS 64742-95-6	Yes	Yes	Yes	Yes	Yes, 0.1 as benzene
Trimethyl benzene	CAS 95-63-6	Yes	Yes	Yes	No	yes, 1

* Suspected carcinogen-ACGIH dm= de minimus, the minimum percent which needs to be reported.

16. Other information

SDS Preparation date: August 3, 2016 replacing 'December 20, 2014 for hazard revisions, Sec 2, 7, 8.

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	Yes	Yes	Yes	No	OSHA 29 CFR 1910.1200 and
Delayed	No	No	XXX	XXX	SARA 302/311/312/313.

HMIS Hazard ratings: Health 2 Fire 3 Instability 0 Other B (Goggles, gloves)

Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4

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Note: The information in this SDS was obtained from current reputable and competent sources. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product. This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).

