

TREEKOTE™ Tree Wound Dressing

Part No. E8250CT Aerosol

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SECTION 1 - IDENTIFICATION

Product Identifier

Product Number(s) E8250CT

Product Name TREEKOTE™ Tree Wound Dressing

Other Means of Identification Nor Recommended Use and Restrictions on Use

Recommended Use Tree would dressing.
Restrictions on Use None Identified

24 hr Emergency Phone Number

800-255-3924 (Chem-Tel)

	MANUFACTURER DETAILS		SUPPLIER DETAILS
Name	Chem-Pak, Inc.	Name	Eaton Brothers Corp.
Address	242 Corning Way Martinsburg WV 25405	Address	PO Box 60 Hamburg NY 14075
Phone Number	800-336-9828	Phone Number	716-649-8250
Fax Number	304-262-9643	Fax Number	716-649-9466

SECTION 2 - IDENTIFICATION

Hazard Classification

H	IEALTH	I HAZARDS			PHYSICAL HAZARDS	S			
Acute Tox. Oral	4	Mutagenicity	Unstable Explosive		Refrigerated Liq. Gas		Pyrophoric Solid		
Acute Tox. Skin		Carcinogenicity	Explosive		Flammable Liquid		Emits Flammable Gas		
Acute Tox. Inhalation		Tox. to Reproduction	Flammable Gas		Flammable Solid		Oxidizing Liquid		
Skin Irritation		STOT SE	Aerosol	1	Self-Reactive Sub.		Oxidizing Solid		
Eye Irritation		STOT RE	Oxidizing Gas		Pyrophoric Liquid		Organic Peroxide		
Resp. Sensitization		Aspiration Hazard	Gas Under Pressure	X	Self-Heating Substance		Corrosive to Metal		
Skin Sensitization			ENVIRONMENTAL HAZARDS (GHS Rev 3 Only)						
			Aquatic Acute		Aquatic Chronic	3	Ozone Depleting		

Signal Word

Hazard Pictograms

Danger







Hazard Statements Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Harmful if swallowed. Toxic to aquatic

life with long lasting effects.

Precautionary Statements

General Keep out of reach of children.

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open

flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Do not eat, drink or

smoke when using this product. Avoid release into the environment.

Response IF SWALLOWED: Immediately call a POISON CENTER or doctor, if you feel unwell. Rinse mouth. Collect spillage.

Storage Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

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Disposal Dispose of contents/container in accordance with local regulations.

Hazards Not Otherwise ClassifiedNone identified.Unknown Acute Toxicity24 % by wt

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	% WT RANGE*
1	Trans-1,2-Dichloroethylene	0000156-60-5	30 - 60
2	Asphalt, Oxidized	0064742-93-4	15 - 40
3	Liquefied Petroleum Gas	0068476-86-8	10 - 30
4	Stoddard Solvent	0008052-41-3	5 - 10
5	1,2,4-Trimethyl Benzene	0000095-63-6	1 - 5
6	Cumene	0000098-82-8	0.1 - 1
7	Xylene	0001330-20-7	0.1 - 1
8	Ethyl Benzene	0000100-41-4	0.1 - 1

^{*} Exact percentages of composition withheld as trade secret

SECTION 4 - FIRST AID MEASURES

Description of First-Aid Measures

General If exposed or concerned seek medical advice/attention.

Eye Contact Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.

Skin Contact Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness.

Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.

Ingestion Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways

free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention

 $if \ symptoms \ persist \ or \ if \ unconscious.$

First-Aid Responder Protection Wear adequate personal protective equipment based on the nature and severity of the emergency.

Most Important Symptoms and Effects, Both Acute and Delayed

Eye Contact Liquid contact may cause pain along with moderate eye irritation.

Skin Contact Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause

more severe response if confined to skin.

Ingestion Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to

membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.

Inhalation Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system

depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes,

coughing, and dyspnea are also possible.

Indication of Immediate Medical Attention and Special Treatment

Notes to Physician Stoddard Solvent sensitizes the heart to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic

drugs may initiate cardiac arrhythmia in individuals exposed. Use of sympathomimetic drugs should be avoided. If ingested, the material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal

intubation or by placement of the body in a Trendelenburg and left later lateral decubitus position.

Specific Treatments/Antidotes No information available.

Immediate Medical Attention No information available.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media Water, CO2, dry chemical, or universal aqueous film forming foam

Unsuitable Extinguishing Media Water jet

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Specific Hazards Arising from the Chemical or Mixture

Decomposition ProductsOxides of carbon (CO, CO2), smoke, and/or vapors

Hazards from the Product CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. In a fire or if heated, a pressure increase will occur which may

result in the container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source.

Advice for Firefighters

Protective ActionsUse water spray to cool fire exposed containers as contents may rupture violently from heat developed pressure.

Protective Equipment As with any fire wear SCBA pressure-demand, MSHA/NIOSH approved, and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel No action should be taken by non-emergency personnel without suitable training. Evacuate surrounding areas. Keep

unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and

provide adequate ventilation only if it is safe to do so.

For Emergency RespondersUse personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel.

Environmental Precautions

Precautions Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Containment Procedures Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with

oil/solvent absorbent pads, socks, and/or absorbents. DO NOT use combustible material such as sawdust.

Cleanup ProceduresSpills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a

problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

Other InformationAerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are

generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.

Prohibited MaterialsCombustible absorbent material such as sawdust, use of equipment that may cause sparking.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

General Handling Precautions KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not

incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation,

opening doors or windows to achieve cross-ventilation. Wash hands after use.

Hygiene RecommendationsDo not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and

 $protective\ equipment\ before\ entering\ eating\ or\ smoking\ areas.$

Conditions for Safe Storage Including Any Incompatibilities

Storage Requirements Storage of individual cans should be done in an area below 50 °C (122 °F), and away from heat sources. Ensure can is in a

secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B

(Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3 Aerosol.

Incompatibilities Segregate storage away from materials indicated in Section 10



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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

ID		OSHA			NIC	OSH			ACGIH		AIHA
טו	PEL	STEL	CEILING	IDLH	REL	STEL	CEILING	TLV	STEL	CEILING	WEEL
1	200 ppm	-	_	1000 ppm	-	_	_	200 ppm	-	_	_
2	_	-	_	100 ppm	-	-	5 mg/m3	0.5 mg/m3	-	-	-
3	1000 ppm	-	-	200 ppm	1000 ppm	-	1800 mg/m3	1000 ppm	-	-	-
4	500 ppm	-	-	20000 mg/m3	350 mg/m3	_	_	100 ppm	-	_	_
5	-	-	-	-	25 ppm	-	_	25 ppm	-	-	_
6	50 ppm	-	-	900 ppm	50 ppm	_	-	50 ppm	-	-	-
7	100 ppm	-	-	900 ppm	100 ppm	150 ppm	-	100 ppm	150 ppm	-	-
8	100 ppm	-		800 ppm	100 ppm	125 ppm	_	20 ppm	-	-	_

Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
7	Methylhippuric acids in urine	End of shift	1.6 g/g creatinine	_

Other Control Parameters Not Available

Appropriate Engineering Control

should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.

Individual Protection Measures

Hygiene Considerations Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of

children. Wash hands after use.

Thermal Protection This product does not present a thermal hazard.

Respiratory Protection An approved respirator with organic vapor cartridge may be permissible under certain circumstances where airborne

concentrations are expected to exceed occupational exposure limits. If respirators are needed, compliance with OSHA

standard 29 CFR 1910.134 is necessary.

Skin Protection For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated

contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

Eye/Face Protection Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye

 $contact\ with\ this\ material\ could\ occur,\ chemical\ splash\ proof\ goggles\ are\ recommended.$

Other Protective Equipment Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Boiling Point	$>$ 47.8 $^{\circ}$ C (118.0 $^{\circ}$ F)	Melting / Freezing Point	Not Determined
Flash Point, Liquid	$>$ 2.2 $^{\circ}$ C (36.0 $^{\circ}$ F)	Flash Point, Propellant	-104.4 $^{\circ}$ C (-156.0 $^{\circ}$ F)
Explosive Limits	6.70% - 18.00%	Autoignition Temperature, Liquid	Not Determined
Flammability	Extremely Flammable Aerosol	Relative Density (H2O = 1)	0.858 g/cc
Molecular Weight	Not Available	Weight	7.161 lbs/gal
Vapor Pressure	70.00 psig	рН	Not Available
Vapor Density	Not Available	Evaporation Rate	Not Available
Form	Pressurized Product	Partition Coefficient	Not Available
Viscosity	Not Available	Refractive Index	Not Available
Odor Threshold	Not Available	Heat of Combustion (△Hc)	Not Available
Odor	Petroleum Odor	Water Solubility	Not Available



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Appearance / Color Dark Liquid Decomposition Temperature Not Available

Air Quality Properties

 Percent Volatile
 77% Wt (78% Vol) Max
 VOC Regulatory
 5.463 lbs/gal (654.497 g/L)

 Percent VOC
 77% Wt (78% Vol) Max
 VOC Actual
 5.463 lbs/gal (654.497 g/L)

 Percent HAP
 1% Wt (1% Vol) Max
 HAP Content
 0.056 lbs/gal (6.608 g/L)

Solids/Non Volatile Content 24% Wt (23% Vol) Max Maximum Incremental Reactivity 1.404 g O3/g

Global Warming Potential 1.600

SECTION 10 - STABILITY AND REACTIVITY

ReactivityNo specific test data related to reactivity is available for this product or its ingredients.

<u>Chemical Stability</u> This product is stable.

Hazardous ReactionsUnder normal conditions of storage and use, hazardous reactions are not expected to occur.

<u>Conditions to Avoid</u> Keep away from heat, sparks, flame, and red hot metal.

<u>Material Incompatibility</u> Chlorine Dioxide, Chlorosulfuric Acid, Dichlorohydrantion, Difluoromethylene Dihypofluorite, Dinitrogen Tetroxide And

Pentoxide, Nitric Acid, Sodium, Sodium Hydroxide, Strong Oxidizing Agents, Sulfuric Acid

<u>Decomposition Productions</u>

Oxides of Carbon, Hydrogen Chloride fumes, Phosgene may be formed depending on fire conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates (mixture)

Oral LD $_{50}$ 1478 mg/kgDermal LD $_{50}$ 4496 mg/kgInhalation LC $_{50}$ 1522 mg/L 4-hour

Acute Toxicity on Ingredients

ID	ORAL LD50		DERMAL LD50		INHALATION LC50				
ID	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES		
1	-	_	_	_	164000 ppm	4h	rat		
2	89840 mg/kg	rat	_	-	_	-	-		
3	>5000 mg/kg	rat	>2000 mg/kg	rabbit	ı	-	-		

Health Hazard Classification

Carcinogen Data

Skin Corrosion / Irritation Classification criteria not met Eye Damage / Irritation Classification criteria not met **Respiratory Irritation** Classification criteria not met Respiratory / Skin Sensitization Classification criteria not met Germ Cell Mutagenicity Classification criteria not met Reproductive Toxicity Classification criteria not met Classification criteria not met STOT - Single Exposure STOT - Repeated Exposure Classification criteria not met **Aspiration Hazard** Classification criteria not met

1	Calif Prop-65	OSHA	NIOSH	ACGIH	NTP	IARC
	5 Yes	-	-	-	-	-
		-	-	A3	-	2B

Information on the Likely Routes of Exposure

Routes of Exposure Skin contact, skin absorption, eye contact, inhalation



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Information on Physical, Chemical and Toxicological Effects

Symptoms of Exposure Abdominal Cramps, Asphyxia, Bronchitis, Chemical Pneumonitis, Coma, Confusion, Dermatitis, Dizziness, Drowsiness,

Excitation, Skin Irritation, Staggering Gait, Throat Irritation, Upper Respiratory System Irritation, Vomiting

Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure

Delayed EffectsNo known delayed effects.Immediate EffectsNo known immediate effects.

Chronic Effects Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous

system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by concentrating and inhaling this product may be harmful or fatal. Stoddard Solvent when ingestion and subsequent aspiration into the lungs

may cause pneunatocele (lung cavity) formation and chronic lung dysfunction.

Medical Conditions Aggravated May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

Target OrgansBlood, Central Nervous System, Eyes, Gastrointestinal Tract, Kidneys, Liver, Respiratory System, Skin

SECTION 12 - ECOLOGICAL INFORMATION

Acute Aquatic Toxicity

		FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
ID	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	
1	LC50	125 mg/L	96h	EC50	220 mg/L	48h	-	_	-	-	_	-	
5	LC50	9.22 mg/L	96h	EC50	6.14 mg/L	48h	_	-	_	-	-	-	
6	LC50	4.7 mg/L	96h	EC50	13.7 mg/L	24h	EC50	26 mg/L	72h	EC10	211 mg/L	24h	
7	LC50	26.7 mg/L	96h	LC50	14 mg/L	24h	-	-	-	-	-	-	
8	LC50	97.1 mg/L	96h	LC50	77 mg/L	24h	EC50	63 mg/L	3h	EC50	130 mg/L	48h	

Ecological Data

ID		PERSISTENCE AND	DEGRADABILITY		BIOACCUMULA	TIVE POTENTIAL	MOBILITY
ID	PERSISTENCE	BOD	COD	ThOD	Pow / Kow	BCF	Кос
1	8% / 28 days	_	_	-	2.09 log Kow	8 BCF	330 Koc
4	-	-	_	-	3.16 log Kow	-	_
5	-	-	-	_	3.714 log Kow	2.12 log BCF	3.4 log Koc
6	-	-	_	-	3.66 log Kow	2.49 log BCF	3.33 log Koc
7	-	0.64 mg/L	_	2410 mg/g	3.271 log Kow	2.2557 log BCF	3.156 log Koc
8	-	1780 mg/g	-	3170 mg/g	3.15 log Kow	1.18 log BCF	2.4 log Koc

Other Adverse Effects No additional information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

<u>Waste Disposal</u> Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user

to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or

local regulations.

<u>Waste Disposal of Packaging</u>

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR

261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are

 $to \ be \ disposed \ of \ (not\ recycled)\ it \ must \ be \ managed\ under \ all\ applicable\ RCRA\ and\ state\ regulations.$

<u>Landfill Precautions</u> Not available

<u>Incineration Precautions</u>

** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **



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SECTION 14 - TRANSPORTATION INFORMATION

Transportation Information

UN Number

UN1950

Proper Shipping Name

Hazard Class(es) **Packaging Group**

Marine Pollutant Hazard Label(s)

Ground Transportation (DOT)

Aerosols, Limited Quantity

2.1

No

Air Transportation (IATA)

UN1950

Aerosols, Flammable, Limited Quantity

2.1

No



Ocean Transportation (IMDG)

UN1950

Aerosols, Limited Quantity

2.1

No



SECTION 15 - REGULATORY INFORMATION

Federal Regulations

	TSCA	SARA 302					CLEAN .	AIR ACT	CLEAN				
ID	LISTED	EHS TPQ	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	ACUTE	CHRONIC	PRESSURE	HAP	SOCMI	WATER ACT
1	Yes	Yes	_	-	-	Yes	_	Yes	Yes	-	-	-	>1 (PP)
2	Yes	_	-	-	-		_	-	-		-	-	_
3	Yes	_	-	-	_	Yes	_	-	-	-	-	_	_
4	Yes	_	-	-	-	-	_	Yes	-	-	-	-	_
5	Yes	_	-	-	2%	Yes	_	Yes	-	-	-	-	_
6	Yes	_	U055	5000	>1%	Yes	_	Yes	-	-	Yes	Yes	-
7	Yes	_	U239	100	>1%	Yes	-	Yes	-	-	Yes	Yes	100
8	Yes	_	ı	1000	1%	Yes	_	Yes	_	_	Yes	Yes	1000 (PP)

State Regulations

	CA	DE	MA	I	ME		MN		NJ		NY		PA	WA	WI	WV
ID	P-65	RQ	RTK CODES	TYPE	RQ	RTK	AIR	WATER	RTK	AIR	LAND	ACUTE	LISTED	PEL TWA	TABLE	TAP
1	-	1000	6 F7 F8	-	_	-	_	_	-	1000	1	_	Yes-E	_	_	-
4	-	-	2,4	-	-	ANO	_	-	-	_	-	_	Yes	100 ppm	Α	_
5	-	100	F7 F9	_	1000	_	_	_	-	-	_	_	Yes-E	_	_	-
6	С	5000	2,4,5 F7 F8 F9	-	2000	AO	1	_	_	5000	1	_	Yes-E	50 ppm	Α	_
7	_	100	2,4 F8 F9	-	2000	ANO	1	_	-	1000	1	_	Yes-E	100 ppm	Α	_
8	С	1000	2,4,5,6 F7 F8 F9	-	2000	AO	1	1		1000	1	_	Yes-E	100 pp,	Α	_

SECTION 16 - OTHER INFORMATION

SDS Revision History

Revision 1, 10/21/2014, Original

SDS Compliance

This SDS complies with the below listed regulations only. For SDS that comply with other countries, please contact our Regulatory Department at msds@chem-pak.com

OSHA Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200

Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Revision 3

Disclaimer of Liability

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