maxill

SAFETY DATA SHEET

1. Product and Company Identification

	1. Product and Company Identi	ification
Product identifier	Green Treat Activator	
Other means of identification	Not available	
Recommended use	Neutralizer/Oxidizer	
Recommended restrictions	None known.	
Manufacturer information	maxill Inc. 80 Elm Street St. Thomas, ON N5R 6C8 CA Phone: 519-631-7370 Fax: 519-631-3388 Website: maxill.com	
Supplier	See above.	
Emergency Response Number	ChemTel: 1-800-255-3924, outside US and Ca CANUTEC: 613-996-6666	ınada, 1-813-248-0585
	2. Hazards Identification	1
Physical hazards	Oxidizing liquids	Category 1
	Corrosive to metals	Category 1
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Environmental hazards	Not classified	
WHMIS 2015 defined hazards	Not classified	
Girmal word		
Signal word	Danger	
Hazard statement	May cause fire or explosion; strong oxidizer. May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.	
Precautionary statement		
Prevention	Keep only in original packaging. Keep away from heat, hot surfaces, sparks, op Keep away from clothing and other combustibl Do not breathe mist or vapor. Do not eat, drink or smoke when using this pro Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye	oduct.
Response	explosion. Absorb spillage to prevent material-damage. IF ON CLOTHING: Rinse immediately contam removing clothes. IF ON SKIN (or hair): Take of skin with water. Immediately call a POISON CI on this label).	cuate area. Fight fire remotely due to the risk of hinated clothing and skin with plenty of water before off immediately all contaminated clothing. Rinse ENTER/doctor. Specific treatment (see information everal minutes. Remove contact lenses, if present keep comfortable for breathing.

Storage	Store in a corrosion resistant container with a resistant inner liner. Store in a well-ventilated place. Keep container tightly closed. Store separately. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/Information on Ingredients

Mixture			
Chemical name	Common name and synonyms	CAS number	%
Hydrogen peroxide		7722-84-1	23
Acetic acid		64-19-7	10
Ethaneperoxoic acid		79-21-0	5

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

	4. First Aid Measures
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
Skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER/doctor. Specific treatment (see information on this label). IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.
General information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Take off all contaminated clothing immediately. Wash contaminated clothing before reuse. Keep out of reach of children.
	5. Fire Fighting Measures
Suitable extinguishing media	Alcohol resistant foam. Powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	May cause fire or explosion; strong oxidizer. Contact with combustible material may cause fire.
Hazardous combustion products	May include and are not limited to:

	6. Accidental Release Measures
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Never return spills in original containers for re-use. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
	7. Handling and Storage
Precautions for safe handling	Keep away from heat. Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment. Do not breathe mist or vapor. Provide adequate ventilation. Do not taste or swallow. Observe good industrial hygiene practices. Wash thoroughly after handling. When using, do not eat, drink or smoke.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in corrosive resistant container with a resistant inner liner. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS).

Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits

Canada. Alberta OELs (Occupatio Components	Туре	Value	
Acetic acid (CAS 64-19-7)	STEL	37 mg/m3	
		15 ppm	
	TWA	25 mg/m3	
		10 ppm	
Hydrogen peroxide (CAS 7722-84-1)	TWA	1.4 mg/m3	
- /		1 ppm	

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Туре	Value	
Acetic acid (CAS 64-19-7)	STEL	15 ppm	
	TWA	10 ppm	
Hydrogen peroxide (CAS 7722-84-1)	TWA	1 ppm	

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Туре	Value	Form
Acetic acid (CAS 64-19-7)	STEL	15 ppm	
	TWA	10 ppm	
Ethaneperoxoic acid (CAS 79-21-0)	STEL	0.4 ppm	Inhalable fraction and vapor.
Hydrogen peroxide (CAS 7722-84-1)	TWA	1 ppm	

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Туре	Value	
Acetic acid (CAS 64-19-7)	STEL	15 ppm	
	TWA	10 ppm	

Components	ntrol of Exposure to Biological or Cł Type	Value	
Hydrogen peroxide (CAS 7722-84-1)	TWA	1 ppm	
Canada. Quebec OELs. (Mi Components	nistry of Labor - Regulation Respect Type	ing the Quality of the Work En Value	vironment)
Acetic acid (CAS 64-19-7)	STEL	37 mg/m3 15 ppm	
	TWA	25 mg/m3 10 ppm	
Hydrogen peroxide (CAS 7722-84-1)	TWA	1.4 mg/m3	
		1 ppm	
US. OSHA Table Z-1 Limits Components	for Air Contaminants (29 CFR 1910. Type	1000) Value	
Acetic acid (CAS 64-19-7)	PEL	25 mg/m3 10 ppm	
Hydrogen peroxide (CAS 7722-84-1)	PEL	1.4 mg/m3	
,		1 ppm	
US. ACGIH Threshold Limit Components	t Values Type	Value	Form
Acetic acid (CAS 64-19-7)	STEL	15 ppm	
	TWA	10 ppm	
Ethaneperoxoic acid (CAS 79-21-0)	STEL	0.4 ppm	Inhalable fraction and vapor.
Hydrogen peroxide (CAS 7722-84-1)	TWA	1 ppm	- 1 -
US. NIOSH: Pocket Guide t	o Chemical Hazards		
Components	Туре	Value	
Acetic acid (CAS 64-19-7)	STEL	37 mg/m3 15 ppm	
	TWA	25 mg/m3 10 ppm	
Hydrogen peroxide (CAS 7722-84-1)	TWA	1.4 mg/m3	
1122 04 1)		1 ppm	
logical limit values	No biological exposure limits noted	for the ingredient(s).	
propriate engineering trols	Ensure adequate ventilation.		
vidual protection measures Eye/face protection	such as personal protective equipm Wear safety glasses with side shield		
Skin protection			
Hand protection	Rubber gloves. Confirm with a repu	table supplier first.	
Other	As required by employer code.		
Respiratory protection Thermal hazards	Where exposure guideline levels ma Not applicable.	ay be exceeded, use an approve	d NIOSH respirator.
neral hygiene siderations	Handle in accordance with good ind and immediately after handling the p		
	9. Physical and Chem	ical Properties	
pearance	Clear		
vsical state	Liquid.		

Appearance	Clear
Physical state	Liquid.
Form	Liquid.
Color	Clear
Odor	Sharp, pungent, acetic
Odor threshold	Not available.

Melting point/freezing point N Initial boiling point and boiling range Pour point Specific gravity N Partition coefficient N (n-octanol/water) Flash point N Evaporation rate N Flammability (solid, gas) N Upper/lower flammability or explose Flammability limit - lower N	2.5 @ 1% solution Not available. > 200 °F (> 93.33 °C) Not available. Not available. Not available. Not available. Not available. Not available. Not applicable.
Initial boiling point and boiling range>Pour pointNSpecific gravityNPartition coefficient (n-octanol/water)NFlash pointNEvaporation rateNFlammability (solid, gas)NUpper/lower flammability or explose Flammability limit - lowerN	 200 °F (> 93.33 °C) Not available. Not available. Not available. Not available. Not available. Not applicable. Not applicable.
range Pour point Specific gravity Partition coefficient (n-octanol/water) Flash point Evaporation rate Flammability (solid, gas) Upper/lower flammability or explos Flammability limit - lower N	Not available. Not available. Not available. Not available. Not applicable. sive limits
Specific gravity N Partition coefficient N (n-octanol/water) Flash point N Evaporation rate N Flammability (solid, gas) N Upper/lower flammability or explos Flammability limit - lower N	Not available. Not available. Not available. Not available. Not applicable. ive limits
Partition coefficient (n-octanol/water) Flash point M Evaporation rate M Flammability (solid, gas) M Upper/lower flammability or explos Flammability limit - lower M	Not available. Not available. Not available. Not applicable. ive limits
(n-octanol/water)Flash pointMEvaporation rateMFlammability (solid, gas)MUpper/lower flammability or explosFlammability limit - lowerM	Not available. Not available. Not applicable. ive limits
Evaporation rate N Flammability (solid, gas) N Upper/lower flammability or explos Flammability limit - lower N	Not available. Not applicable. ive limits
Flammability (solid, gas)	Not applicable. .ive limits
Upper/lower flammability or explos Flammability limit - lower	ive limits
Flammability limit - lower	
· · · · · · · · · · · · · · · · · · ·	Not available.
(%)	
Flammability limit - upper N (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure N	Not available.
Vapor density N	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature N	Not available.
Viscosity	Not available.
Other information	
Density 1	.12 @ 25C
Explosive properties	Not explosive.
Oxidizing properties	May cause fire or explosion; strong oxidizer.
	10. Stability and Reactivity
-	May react with incompatible materials.
Possibility of hazardous	Hazardous polymerization does not occur.
Chemical stability	Jnstable.
Conditions to avoid	Heat. Do not mix with other chemicals.
	Strong oxidizing agents. Reducing agents. Metals.
Hazardous decomposition N products	May include and are not limited to: Oxides of carbon.
	11. Toxicological Information
Routes of exposure E	Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of expo	osure
Ingestion H	Harmful if swallowed. May cause stomach distress, nausea or vomiting.
Inhalation N	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact 0	Causes severe skin burns.
Eye contact 0	Causes serious eye damage.
physical, chemical and control toxicological characteristics b	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and plurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.
Information on toxicological effects	5
c H	n high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Harmful if swallowed. May cause respiratory irritation.

Acute Dermal Dermal Acute LDS0 Guinea pig 3300 mg/kg Inhalation Itta mg/kg Inhalation 6200 ppm, 1 Hours LCS0 Guinea pig 6300 ppm, 1 Hours Mouse 6200 ppm, 1 Hours LCS Mouse 6810 ppm, 4 Hours Oral Sign ppm, 4 Hours LDS0 Mouse 6900 mg/kg LDS0 Mouse 960 mg/kg LDS0 Mouse 3530 mg/kg Ethaneperxoxic acid (CAS 79-21) Facute 1200 mg/kg Cral LSS0 Rabbit 1200 mg/kg LDS0 Rabbit 1410 mg/kg Inhalation LSS0 Rabbit 1410 mg/kg Cral LCS0 Rat 1500 mg/kg Cral LSS0 Mouse 100 mg/kg LDS0 Rabbit 1500 mg/kg LDS0 Natarabe 210 mg/kg LCS0 Natarabe 200 mg/kg LCS0 Natarabe 200 mg/kg LDS0 Natarabe 200 mg/kg	Components	Species	Test Results
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Ethaneperoxoic acid (CAS 79-21-0) Acute Dermai LD50 Rabbit Rabbit Rat Rat Rat Rat Rat Rat Rat Rat Rat Ra		Rabbit	1200 mg/kg
Ethaneperoxoic acid (CAS 79-21-0) Acute Dermai LD50 Rabbit Rabbit Rat Rat Rat Rat Rat Rat Rat Rat Rat Ra		Rat	3530 mg/kg
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Loson A babit			
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Skin sensitization This product is not expected to cause skin sensitization.			
	Skin sensitization	This product is not expected to cause skin sensitiz	ation.

Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	See below.	
ACGIH Carcinogens		
Ethaneperoxoic acid (CAS 79-21-0) Hydrogen peroxide (CAS 7722-84-1)		A4 Not classifiable as a human carcinogen. A3 Confirmed animal carcinogen with unknown relevance to humans.
Canada - Manitoba OELs: ca	rcinogenicity	
HYDROGEN PEROXIDE (CAS 7722-84-1) PERACETIC ACID, INHALABLE FRACTION AND VAPOR (CAS 79-21-0)		Confirmed animal carcinogen with unknown relevance to humans. Not classifiable as a human carcinogen.
IARC Monographs. Overall E	valuation of Carcinogenicity	
Hydrogen peroxide (CAS 7722-84-1)		Volume 36, Supplement 7, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
	lated Substances (29 CFR 191	0.1001-1050)
Not listed.		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Teratogenicity	Not available.	
Specific target organ toxicity - single exposure	May cause respiratory irritation.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be h	armful.

12. Ecological Information

Ecotoxicity	See below	V		
Ecotoxicological data Components		Species	Test Results	
Acetic acid (CAS 64-19-7)				
Crustacea	EC50	Daphnia	47 mg/L, 48 Hours	
Aquatic				
Fish	LC50	Bluegill (Lepomis macrochirus)	75 mg/L, 96 hours	
Hydrogen peroxide (CAS 7722-84	4-1)			
Algae	IC50	Algae	2.5 mg/L, 72 Hours	
Crustacea	EC50	Daphnia	7.7 mg/L, 48 Hours	
Persistence and degradability	No data is	available on the degradability of this prod	uct.	
Bioaccumulative potential				
Mobility in soil				
Mobility in general	No data available.			
Other adverse effects	Not available.			
	••••••	· · · · - · ·		
		13. Disposal Considerations		
Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.			
Local disposal regulations	Dispose in accordance with all applicable regulations.			
Hazardous waste code	D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel] The waste code should be assigned in discussion between the user, the producer and the waste disposal company.			
Waste from residues / unused products	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).			
	<u><u></u></u>			

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

 Transport of Dangerous Goods
 In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods

 (TDG) Proof of Classification
 Regulations, we certify that the classification of this product is correct as of the SDS date of issue.

14. Transport Information

U.S. Department of Transportation	
Basic shipping requirements	
UN number	UN3149
Proper shipping name	Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water, and not more than 5 percent peroxyacetic acid
Hazard class	5.1
Subsidiary hazard class	8
Packing group	II.
Special provisions Transportation of Dangerous Go	145, A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24 ods (TDG - Canada)
Basic shipping requirement	S:
UN number	UN3149
Proper shipping name	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not
Hazard class	more than 5% peroxyacetic acid, STABILIZED
Subsidiary hazard class	5.1 8
Packing group	
DOT	
OXIDIZER 5.1	CORROSIVE 8
5.1	8
	15. Regulatory Information
Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.
Export Control List (CEPA 1	999 Schodulo 3)
Not listed.	
Greenhouse Gases	
Not listed.	
Precursor Control Regulatio	115
Not regulated.	Centralled
WHMIS 2015 Exemptions	
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
	Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA Hazardous Substa	
Acetic acid (CAS 64-19-7	
Ethaneperoxoic acid (CAS	S 79-21-0) Listed. emely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity
Ethaneperoxoic acid (CAS	
Hydrogen peroxide (CAS	,
	lated Substances (29 CFR 1910.1001-1050)

SARA 302 Extremely No hazardous substance No SARA 311/312 Hazardous No chemical SARA 311/312 Hazardous SARA 311/312 Hazardous No Chemical name CAS number % by wt. Tenneperoxoic acid Clean Air Act (CAA) Soction 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Soction 112(r) Accidental Release Prevention (40 CFR 65.130) Ethaneperoxoic acid (CAS 79-21-0) US tate regulations See below See below US - California Hazardous Substances (Director's): Listed substance Acetic acid (CAS 64-19-7) Listed. Hydrogen peroxide (CAS 7722-84-1) Listed. Hydrogen peroxide (CAS 7722-84-1) US - Louislana Splil Reporting: Listed substance Acetic acid (CAS 64-19-7) Listed. Ethaneperoxoic acid (CAS 7722-84-1) Listed. Hydrogen peroxide (CAS 7722-84-1) US - Now Jarsoy RTK - Substances: Listed substance Acetic acid (CAS 64-19-7) Listed. Clean acid (CAS 64-19-7) Listed. Hordrogen peroxide (CAS 7722-84-1) Listed. US - Now Jarsoy RTK - Substances: Listed substance Acetic acid (CAS 64-19-7) Listed. Clean acid (CAS 64-19-7) Listed. Hordrogen peroxide (CAS 7722-84-1) Listed. US - Now Jarsoy RTK - Substances: Listed substance		Ithorization Act of 1986 (SAF Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - Yes	RA)	
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On inventory (yes/no)* Yes

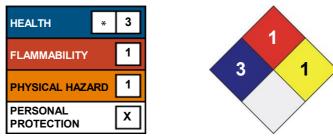
Country(s) or region Canada

Inventory name

Non-Domestic Substances List (NDSL)

Toxic Substances Control Act (TSCA) Inventory United States & Puerto Rico *A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

HEALTH



16. Other Information

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. 23-February-2017

ion #	01
tive date	23-February-2017
r information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Minimal Disclaimer

Moderate Slight

Issue date

LEGEND 4 Severe 3 Serious

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