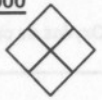


SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Red Leaf Extract	416-984-3000	
Chemical Synonyms	N/A		
Formula	Mixture.	HAZARD RATING Minimal 0 Slight 1 Moderate 2 Serious 3 Severe 4	
CAS No.	Mixture.	WHMIS Serious 3 Severe 4	

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Isopropyl alcohol, 70%: CAS # 67-63-0 Water: CAS # 7732-18-5	68% 29%	TWA: 400 ppm; STEL: 500 ppm N/A
Eosin Y: CAS # 17372-87-1 Fluorescein, sodium salt: CAS # 518-47-8	1% 1%	N/A N/A
Bismarck brown Y: CAS # 10114-58-6	1%	N/A

WARNING! Flammable.

SECTION III PHYSICAL DATA

Melting Point (°C)	~ -50°C	Specific Gravity (H ₂ O = 1)	~ 0.8
Boiling Point (°C)	85 - 100°C	Percent Volatile by Volume (%)	97%
Vapor Pressure (mm Hg)	33 mm @ 20°C (Pure IPA)	Evaporation Rate (n-Butyl Acetate = 1)	> 1
Vapor Density (Air=1)	2.1 (Pure IPA)		
Solubility in Water	Complete.		
Appearance & Odor	Clear liquid; mild alcohol odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	21.7°C TCC	Flammable Limits in Air % by Volume (Pure IPA)	Lower 2%	Upper 12%
Firefighting Procedures	Use dry chemical, CO ₂ , water spray or foam.			

Flammability and Explosion Hazards

Vapors formed from this product are heavier than air and may travel along the ground to a distant source of ignition and flash back instantly.
Auto-ignition temperature: 399°C (ASTM-E659-78) (Pure IPA)

TDG Class 3 Flammable liquid. UN1219

SECTION V REACTIVITY DATA EE0150

Chemical Stability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under what conditions?
Incompatible with Other products	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Oxidizing materials, caustics, aluminum, metal, nitroform, oleum, chlorinated compounds.
Hazardous Decomposition Products	Carbon oxides.	
Reactive under what conditions	Excessive temperature, heat, spark and flames.	

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation. Ingestion. Skin contact.
TLV	TWA: 400 ppm; STEL: 500 ppm (ACGIH 2001) (Pure IPA)
Toxicity for animals	Oral-human: LDLo: 2371 mg/kg.
Chronic effects on humans	The substance is toxic to the reproductive system. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs. Target organs: Central nervous system, liver, kidneys, eyes.
Acute effects on humans	Very dangerous in case of ingestion. Contact causes irritation to the skin and eyes.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container in a cool, well ventilated place. Keep away from heat. Keep away from incompatible materials. Keep away from sources of ignition and open flames.
Precautions	Avoid contact with skin and eyes. Do not breathe vapors or spray. Use with adequate ventilation. Do not ingest. If ingested, seek immediate medical attention.
Spill or leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Protective Clothing	Splash goggles, lab coat, vapor respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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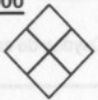
SECTION IX PREPARATION OF THE MSDS

Rev. No.	2	Date	July 21, 2006	Approved	James A. Bertsch
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5100 W. Henrietta Rd.
West Henrietta, NY 14586
TEL: (866) 260-0501

9599500
MSDS No. APC960-8
Effective Date: March 29, 2006

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Alfalfa Powder	<p>416-984-3000</p> <p>NFPA </p> <p>HAZARD RATING</p> <table border="1"> <tr> <td>Minimal</td> <td>Slight</td> <td>Moderate</td> <td>WHMIS</td> <td>Severe</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>Serious</td> <td>4</td> </tr> </table>	Minimal	Slight	Moderate	WHMIS	Severe	0	1	2	Serious	4
Minimal	Slight		Moderate	WHMIS	Severe							
0	1		2	Serious	4							
Chemical Synonyms	Chlorophyll Extract											
Formula	None assigned.											
CAS No.	None assigned.											
Health	0											
Flammability	0											
Reactivity	0											

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Alfalfa powder	100%	N/A
LOW HAZARD FOR USUAL LABORATORY HANDLING.		

SECTION III PHYSICAL DATA

Melting Point (°C)	Unknown.	Specific Gravity (H ₂ O = 1)	Unknown.
Boiling Point (°C)	Decomposes.	Percent Volatile by Volume (%)	Negligible.
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	Unknown.		
Solubility in Water	N/A		
Appearance & Odor	Green powder; characteristic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Not flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

Flammability and Explosion Hazards

In fire conditions, hazardous decomposition products may be formed as dust or fume.

TDG Not a TDG controlled material.

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Printed on recycled paper.

SECTION V REACTIVITY DATA CC0329

Chemical Stability	Yes	X	If no. under what conditions?
	No		
Incompatible with Other products	Yes	X	Strong oxidizers.
	No		
Hazardous Decomposition Products	Carbon oxides.		
Reactive under what conditions	Not applicable.		

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Non-hazardous.
TLV	Not available.
Toxicity for animals	Not available.
Chronic effects on humans	There are no known effects from chronic exposure to this product. Target organs: None known.
Acute effects on humans	Low hazard for usual laboratory handling. Use in keeping with good laboratory practices.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container dry. Keep container tightly closed. Protect from light.
Precautions	Avoid contact with skin and eyes. Do not ingest. Do not breathe dust.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Wash spill area with soap and water.
Protective Clothing	Gloves, safety glasses, lab coat, dust respirator.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No.	4	Date	March 29, 2006	Approved	Michael Raszeja
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5100 W. Henrietta Rd.
West Henrietta, NY 14586
TEL: (866) 260-0501

MSDS No. APC960-8
Effective Date: February 1, 2007

9599500

APC960-8

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Isopropyl Alcohol, 70%	<p>416-984-3000</p> <p>NFPA </p> <p>HAZARD RATING Minimal 0 Slight 1 Moderate 2 Serious 3 Severe 4</p> <p>WHMIS Serious 3 Severe 4</p>
Chemical Synonyms	N/A	
Formula	Mixture.	
CAS No.	Mixture.	

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Isopropyl alcohol: CAS # 67-63-0	70%	TWA: 400 ppm; STEL: 500 ppm
Water: CAS # 7732-18-5	30%	N/A

WARNING! FLAMMABLE!

SECTION III PHYSICAL DATA

Melting Point (°C)	~ -50°C	Specific Gravity (H ₂ O = 1)	~ 0.8
Boiling Point (°C)	85 - 100°C	Percent Volatile by Volume (%)	97%
Vapor Pressure (mm Hg)	33 mm @ 20°C (Pure IPA)	Evaporation Rate (n-Butyl Acetate =1)	> 1
Vapor Density (Air=1)	2.1 (Pure IPA)		
Solubility in Water	Complete.		
Appearance & Odor	Clear liquid; mild alcohol odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	21.7°C TCC	Flammable Limits in Air % by Volume (Pure IPA)	Lower 2%	Upper 12%
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.			

Flammability and Explosion Hazards

Vapors formed from this product are heavier than air and may travel along the ground to a distant source of ignition and flash back instantly.

Auto-ignition temperature: 399°C (ASTM-E659-78) (Pure IPA)

TDG Class 3 Flammable liquid. UN1219

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Printed on recycled paper.

SECTION V REACTIVITY DATA

IX0230

Chemical Stability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under what conditions?
Incompatible with Other products	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Oxidizing materials, caustics, aluminum, metal, nitroform, oleum, chlorinated compounds.
Hazardous Decomposition Products	Carbon oxides.	
Reactive under what conditions	Excessive temperature, heat, spark and flames.	

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation. Ingestion. Skin contact.
TLV	TWA: 400 ppm; STEL: 500 ppm (ACGIH 2001) (Pure IPA)
Toxicity for animals	Oral-human: LDLo: 2371 mg/kg.
Chronic effects on humans	The substance is toxic to the reproductive system. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs. Target organs: Central nervous sytem, liver, kidneys.
Acute effects on humans	Very dangerous in case of ingestion. Contact causes irritation to the skin and eyes.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container in a cool, well ventilated place. Keep away from heat. Keep away from incompatible materials. Keep away from sources of ignition and open flames.
Precautions	Avoid contact with skin and eyes. Do not breathe vapors or spray. Use with adequate ventilation. Do not ingest. If ingested, seek immediate medical attention.
Spill or leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Protective Clothing	Splash goggles, lab coat, vapor respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS


Rev. No. 3 Date February 1, 2007 Approved James A. Bertsch

MATERIAL SAFETY DATA SHEET

5100 W. Henrietta Rd.
West Henrietta, NY 14586
TEL: (866) 260-0501

MSDS No. Effective Date:
9599500 APC960-8
February 1, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Methyl Alcohol	416-984-3000		Health	3
Chemical Synonyms	Methanol; Wood Alcohol			Flammability	3
Formula	CH ₃ OH	HAZARD RATING		Reactivity	1
CAS No.	67-56-1	Minimal 0	Slight 1	Moderate 2	Severe 3
		WHMIS		Serious 3	Severe 4

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Methyl alcohol	100%	TWA: 200ppm; 262 mg/m ³
DANGER! FLAMMABLE! POISON! HARMFUL VAPOR!		

SECTION III PHYSICAL DATA

Melting Point (°C)	-98°C	Specific Gravity (H ₂ O = 1)	0.79
Boiling Point (°C)	65°C	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	96 mm @ 20°C	Evaporation Rate (Butyl acetate =1)	4.6
Vapor Density (Air=1)	1.11		
Solubility in Water	Complete.		
Appearance & Odor	Clear liquid; pungent odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	11°C (CC)	Flammable Limits in Air % by Volume	Lower 7.3%	Upper 36%
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.			

Flammability and Explosion Hazards

Vapors formed from this product are heavier than air and may travel along the ground to a distant source of ignition and flash back instantly.

Auto-ignition temperature: 463°C

TDG Class 3 Flammable liquid. UN 1230

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Printed on recycled paper.

SECTION V REACTIVITY DATA MM0360

Chemical Stability	Yes	X	If no. under what conditions?
	No		
Incompatible with Other products	Yes	X	Strong oxidizing agents, acids, zinc, aluminum, magnesium.
	No		
Hazardous Decomposition Products	Carbon oxides, formaldehyde.		
Reactive under what conditions	Keep away from heat, sources of ignition.		

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation. Ingestion. Eye contact.
TLV	STEL: 250 ppm; 328 mg/m ³
Toxicity for animals	LD50: 1800 mg/kg oral-rat
Chronic effects on humans	Repeated or prolonged exposure to the substance can produce target organ damage. Target organs: Central nervous system, liver, kidneys, heart.
Acute effects on humans	Very dangerous if inhaled, swallowed. Very dangerous in case of eye contact (irritant), of inhalation. Slightly dangerous to dangerous in case of skin contact.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep in a cool, well ventilated place. Keep container tightly closed. Keep away from heat, sources of ignition, incompatibles as acids and oxidizers.
Precautions	Avoid contact with skin and eyes. DO NOT inhale vapor or spray. DO NOT ingest. If ingested, seek medical advice immediately.
Spill or leak	Absorb with an inert DRY material and place in an appropriate waste disposal container.
Protective Clothing	Splash goggles, lab coat, vapor respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No.	3	Date	February 1, 2007	Approved	James A. Bertsch
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