

SAFETY DATA SHEET

1. Identification

1. Idolfillioution		
Product identifier	SDA 29 200 Proof	
Other means of identification	None.	
Recommended use	General purpose solvent.	
Recommended restrictions	Use in accordance with manufacturer's recon	nmendations.
Manufacturer/Importer/Supplier	/Distributor information	
Company Name	Greenfield Global USA Inc.	
Address	1101 Isaac Shelby Drive	
	Shelbyville, KY 40065	
	USA	
Telephone	502.232.7600	
Fax	502.633.6100	
Company Name	Greenfield Global USA Inc.	
Address	58 Vale Road	
	Brookfield, CT 06804	
	USA	
Telephone	203.740.3471	
Fax	203.740.3481	
Emergency phone number		
USA	CHEMTREC: 1.800.424.9300 (CCN 17213)	
International	CHEMTREC: +1.703.527.3887 (CCN 17213)	
2. Hazard(s) identification		
Physical hazards	Flammable liquids	Category 2
Health hazards	Serious eye damage/eye irritation	Category 2
OSHA defined hazards	Not classified.	
Label elements		
Signal word	Danger	
Hazard statement	Highly flammable liquid and vapor. Causes so	erious eye irritation.
Precautionary statement		
Prevention	Keep away from heat/sparks/open flames/hot surfaces No smok closed. Ground/bond container and receiving equipment. Use expl electrical/ventilating/lighting equipment. Use only non-sparking too measures against static discharge. Wash thoroughly after handling protection/face protection.	
Response	If on skin (or hair): Take off immediately all co If in eyes: Rinse cautiously with water for sev	

king. Keep container tightly plosion-proof ols. Take precautionary ng. Wear protective gloves/eye . Rinse skin with water/shower. 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. In case of fire: Use appropriate media to extinguish. Storage Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulations. Disposal Hazard(s) not otherwise None known. classified (HNOC) SDA 29 200 Proof

3. Composition/information on ingredients

Chemical name		CAS number	%
Ethyl alcohol		64-17-5	91.41 - 98.87
Ethyl acetate		141-78-6	1.10 - 1.13
Water		7732-18-5	0.00 - 7.49
Composition comments	All concentrations are in percent by weight ur	nless otherwise indicated.	
4. First-aid measures			
Inhalation	Move to fresh air. Call a physician if symptom	ns develop or persist.	
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.		
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists		
Ingestion	Rinse mouth. Get medical attention if sympto	oms occur.	
Most important symptoms/effects, acute and delayed	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.		
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and tre immediately. While flushing, remove clothes ambulance. Continue flushing during transpo Symptoms may be delayed.	which do not adhere to affe	ected area. Call an
General information	Take off all contaminated clothing immediate material(s) involved, and take precautions to before reuse. Show this safety data sheet to	protect themselves. Wash	
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemi	cal powder. Carbon dioxide	e (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as the	nis will spread the fire.	
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. of ignition and flash back. During fire, gases I products may include: carbon oxides.		
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	protective clothing must be	worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breath so without risk. Use water spray to keep fire-		from fire area if you ca
Specific methods	Use standard firefighting procedures and con	sider the hazards of other i	involved materials.
General fire hazards	Highly flammable liquid and vapor.		
6. Accidental release meas	sures		
Personal pressutions	Koon uppocossany porsonnol away. Koon no	onlo away from and upwing	d of onill/look Elimina

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. 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. Take precautionary measures against static discharge. Use only non-sparking tools. The product is completely soluble in water.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Туре	Value	
PEL	1400 mg/m3	
	400 ppm	
PEL	1900 mg/m3	
	1000 ppm	
/alues		
Туре	Value	
TWA	400 ppm	
STEL	1000 ppm	
Chemical Hazards		
Туре	Value	
TWA	1400 mg/m3	
	400 ppm	
TWA	1900 mg/m3	
	1000 ppm	
No biological exposure limits noted for the ingredient(s).		
Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.		
	PEL PEL /alues /alues Type TWA STEL Chemical Hazards Type TWA TWA TWA No biological exposure limits noted Explosion-proof general and local e Ventilation rates should be matched exhaust ventilation, or other enginer exposure limits. If exposure limits has	

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical goggles are recommended.

Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove
-	supplier. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Skin protection	
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Chemical respirator with organic vapor cartridge.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Clear liquid; invisible vapor.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-173.2 °F (-114 °C)
Initial boiling point and boiling range	172.9 °F (78.3 °C)
Flash point	57.2 - 62.6 °F (14.0 - 17.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	3.3 % v/v (100% Ethyl alcohol)
Flammability limit - upper (%)	19 % v/v (100% Ethyl alcohol)
Vapor pressure	44.6 mm Hg (68 °F (20 °C))
Vapor density	1.6 (air = 1)
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Completely soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	685.4 °F (363 °C) (100% Ethyl alcohol)
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Bulk density	6.63 - 6.8 lb/gal (at 15.56°C (60°F))
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
10. Stability and reactivity	

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.SpeciesTest Results			
Components				
Ethyl acetate (CAS 141-78-6)				
Acute				
Dermal	D-55	5 40000 mm/lum		
LD50	Rabbit	> 18000 mg/kg		
Inhalation				
<i>Vapor</i> LC50	Rat	58.6 mg/l, 4 hours		
	i at	38.0 mg/l, 4 mours		
Oral LD50	Rat	10170 mg/kg		
Ethyl alcohol (CAS 64-17-5)	Rat	10170 thg/kg		
Acute				
Inhalation				
Vapor				
LC50	Rat	117 - 125 mg/l, 4 Hours		
Oral				
LD50	Rat	10470 mg/kg		
Skin corrosion/irritation	Prolonged skin contact may cause ten	Prolonged skin contact may cause temporary irritation.		
Serious eye damage/eye irritation	Causes serious eye irritation.			
Respiratory or skin sensitizatio	n			
Respiratory sensitization	Not a respiratory sensitizer.			
Skin sensitization	This product is not expected to cause skin sensitization.			
Germ cell mutagenicity	No data available to indicate product o mutagenic or genotoxic.	r any components present at greater than 0.1% are		
Carcinogenicity	Not classifiable as to carcinogenicity to	humans.		
IARC Monographs. Overall	Evaluation of Carcinogenicity			
Not listed.				
NTP Report on Carcinogen	S			
Not listed.	ed Substances (29 CFR 1910.1001-105	2)		
Not regulated.	eu Substances (29 CFR 1910.1001-103	5)		
Reproductive toxicity	This product is not expected to cause	reproductive or developmental effects		
Specific target organ toxicity -	Not classified.			
single exposure				
Specific target organ toxicity - repeated exposure	Not classified.			
Aspiration hazard	Not an aspiration hazard.			
Chronic effects	Prolonged inhalation may be harmful.			
SDA 29 200 Proof				

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12. Ecological information

Aquatic Algae EC10 Freshwater algae 11.5 mg/l, 72 hours Algae EC50 Freshwater algae 275 mg/l, 72 hours Marine water algae 1900 mg/l NOEC Marine water algae 1900 mg/l Fish LC50 Freshwater fish 11200 mg/l, 24 hours NOEC Freshwater fish 1200 mg/l 24 hours NOEC Freshwater invertebrate 5012 mg/l, 48 hours NOEC Freshwater invertebrate 9.6 mg/l, 10 days Marine water invertebrate 9.6 mg/l, 10 days Marine water invertebrate Other EC50 Lemna minor 4432 mg/l, 7 days NOEC Lemna minor 280 mg/l, 7 days 280 mg/l, 7 days Other Micro-organisms LC50 Micro-organisms 5800 mg/l, 4 hours Terrestrial Plant EC50 Terrestrial plant 633 mg/kg dw stence and degradability No data is available on the degradability of this product. No data available for this product. radverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	otoxicity	ity The product is not classified as environmentally hazardous. However, this does not expossibility that large or frequent spills can have a harmful or damaging effect on the en		
AquaticAlgaeEC10Freshwater algae11.5 mg/l, 72 hoursAlgaeEC50Freshwater algae275 mg/l, 72 hoursEC50Freshwater algae1900 mg/lNOECMarine water algae1900 mg/lNOECMarine water algae1200 mg/l, 24 hoursFishLC50Freshwater fish1200 mg/l, 24 hoursNOECFreshwater fish250 mg/lInvertebrateEC50Freshwater invertebrate5012 mg/l, 48 hoursNOECFreshwater invertebrate857 mg/l, 48 hoursNOECFreshwater invertebrate9.6 mg/l, 10 daysNOECFreshwater invertebrate9.6 mg/l, 10 daysNOECEroshwater invertebrate9.6 mg/l, 10 daysNOECLemna minor4432 mg/l, 7 daysNOECLemna minor280 mg/l, 7 daysNOECLemna minor800 mg/l, 4 hoursMarire-organismsLC50Micro-organismsNOECLemna minor633 mg/kg dwPlantEC50Terrestrial plantPlantEC50Terrestrial plantNo data available on the degradability of this product.No data available for this product.rativerse effectsNo tother adverse environmental effects (e.g. ozone deytor, photochemical ozone creation opetertial, environ, global warming potential, environmental effects (e.g. ozone deytor, photochemical ozone creation opetertial, environ	Components		Species	Test Results
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FishLC50Freshwater fish11200 mg/l, 24 hoursNOECFreshwater fish250 mg/lInvertebrateEC50Freshwater invertebrate5012 mg/l, 48 hoursInvertebrateEC50Freshwater invertebrate857 mg/l, 48 hoursNOECFreshwater invertebrate9.6 mg/l, 10 daysNOECFreshwater invertebrate9.6 mg/l, 10 daysMarine water invertebrate9.6 mg/l, 10 daysNOECLemna minor4432 mg/l, 7 daysOtherEC50Lemna minor280 mg/l, 7 daysOtherEC50Micro-organisms5800 mg/l, 4 hoursTerrestrialFerestrial plant633 mg/kg dwPlantEC50Terrestrial plant633 mg/kg dwstence and degradabilityNo data is available on the degradability of this product.No data available or this product.No data available or this product.The product is completely soluble in water.No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, environ global warming potential)expected from this component.			Marine water algae	1900 mg/l
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adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	accumulative potential	No data a	vailable for this product.	
potential, endocrine disruption, global warming potential) are expected from this component.	oility in soil	The produ	uct is completely soluble in water.	
	er adverse effects			
Jisposal considerations	Disposal consideration	ons		

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. 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	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. 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).
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.

14. Transport information

DOT	
UN number	UN1170
UN proper shipping name	Ethyl alcohol solution
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Environmental hazards	
Marine pollutant	No.

Special provisions	 Read safety instructions, SDS and emergency procedures before handling. 24, IB2, T4, TP1 		
Packaging exceptions	4b, 150		
Packaging non bulk	202		
Packaging bulk	242		
IATA			
UN number	UN1170		
UN proper shipping name	Ethyl alcohol solution		
Transport hazard class(es) Class	3		
Subsidiary risk	-		
Packing group			
Environmental hazards	No.		
ERG Code	3L		
Special precautions for user	 Read safety instructions, SDS and emergency procedures before handling. 		
IMDG			
UN number	UN1170		
UN proper shipping name	ETHYL ALCOHOL SOLUTION		
Transport hazard class(es)			
Class	3		
Subsidiary risk	-		
Packing group Environmental hazards	II		
Marine pollutant	No.		
EmS	F-E, S-D		
	 Read safety instructions, SDS and emergency procedures before handling. 		
Transport in bulk according to	Not established.		
Annex II of MARPOL 73/78 and			
the IBC Code			
15. Regulatory informatior			
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication		
• •			
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication		
US federal regulations TSCA Section 12(b) Exp Not regulated.	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. ort Notification (40 CFR 707, Subpt. D)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Fort Notification (40 CFR 707, Subpt. D)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Fort Notification (40 CFR 707, Subpt. D) Stance List (40 CFR 302.4) 41-78-6) Listed.		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency re	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Fort Notification (40 CFR 707, Subpt. D) Stance List (40 CFR 302.4) 41-78-6) Listed.		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated.	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Fort Notification (40 CFR 707, Subpt. D) bstance List (40 CFR 302.4) 41-78-6) Listed. elease notification		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated. OSHA Specifically Regu	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Fort Notification (40 CFR 707, Subpt. D) Stance List (40 CFR 302.4) 41-78-6) Listed.		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency ro Not regulated. OSHA Specifically Regu Not regulated.	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Fort Notification (40 CFR 707, Subpt. D) Destance List (40 CFR 302.4) 41-78-6) Listed. elease notification standard Substances (29 CFR 1910.1001-1053)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency ro Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Fort Notification (40 CFR 707, Subpt. D) bstance List (40 CFR 302.4) 41-78-6) Listed. elease notification		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency ro Not regulated. OSHA Specifically Regulant Not regulated. Toxic Substances Control Act (TSCA)	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Port Notification (40 CFR 707, Subpt. D) Ostance List (40 CFR 302.4) 41-78-6) Listed. elease notification Hated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active".		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Re	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. nort Notification (40 CFR 707, Subpt. D) ostance List (40 CFR 302.4) 41-78-6) Listed. elease notification Idated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency ro Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Res SARA 302 Extremely hazard	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. nort Notification (40 CFR 707, Subpt. D) ostance List (40 CFR 302.4) 41-78-6) Listed. elease notification Idated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sull Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated. OSHA Specifically Regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Re SARA 302 Extremely hazard Not listed.	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Nort Notification (40 CFR 707, Subpt. D) (bstance List (40 CFR 302.4) 41-78-6) Listed. elease notification Nated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA) lous substance		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency ro Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Res SARA 302 Extremely hazard	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. nort Notification (40 CFR 707, Subpt. D) ostance List (40 CFR 302.4) 41-78-6) Listed. elease notification Ilated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Nort Notification (40 CFR 707, Subpt. D) Destance List (40 CFR 302.4) 41-78-6) Listed. elease notification Hated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA) lous substance Yes		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sull Ethyl acetate (CAS 1 SARA 304 Emergency ro Not regulated. OSHA Specifically Regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Nort Notification (40 CFR 707, Subpt. D) (bstance List (40 CFR 302.4) 41-78-6) Listed. elease notification Nated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA) lous substance		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sull Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting)	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Nort Notification (40 CFR 707, Subpt. D) bestance List (40 CFR 302.4) (41-78-6) Listed. elease notification Hated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA) lous substance Yes Flammable (gases, aerosols, liquids, or solids)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sull Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Nort Notification (40 CFR 707, Subpt. D) bestance List (40 CFR 302.4) (41-78-6) Listed. elease notification Hated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA) lous substance Yes Flammable (gases, aerosols, liquids, or solids)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sull Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting)	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Nort Notification (40 CFR 707, Subpt. D) bestance List (40 CFR 302.4) (41-78-6) Listed. elease notification Hated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA) lous substance Yes Flammable (gases, aerosols, liquids, or solids)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sull Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Nort Notification (40 CFR 707, Subpt. D) bestance List (40 CFR 302.4) (41-78-6) Listed. elease notification Hated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA) lous substance Yes Flammable (gases, aerosols, liquids, or solids)		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sull Ethyl acetate (CAS 1 SARA 304 Emergency re Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. ort Notification (40 CFR 707, Subpt. D) bestance List (40 CFR 302.4) 41-78-6) Listed. elease notification Hated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA) lous substance Yes Flammable (gases, aerosols, liquids, or solids) Serious eye damage or eye irritation		
US federal regulations TSCA Section 12(b) Exp Not regulated. CERCLA Hazardous Sul Ethyl acetate (CAS 1 SARA 304 Emergency ro Not regulated. OSHA Specifically Regu Not regulated. Toxic Substances Control Act (TSCA) Superfund Amendments and Res SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. ort Notification (40 CFR 707, Subpt. D) bestance List (40 CFR 302.4) 41-78-6) Listed. elease notification Hated Substances (29 CFR 1910.1001-1053) All components of the mixture on the TSCA 8(b) inventory are designated "active". authorization Act of 1986 (SARA) lous substance Yes Flammable (gases, aerosols, liquids, or solids) Serious eye damage or eye irritation		

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated. (SDWA)

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Ethyl acetate (CAS 141-78-6) Ethyl alcohol (CAS 64-17-5)

Low priority Low priority

US state regulations

US. Massachusetts RTK - Substance List

Ethyl acetate (CAS 141-78-6) Ethyl alcohol (CAS 64-17-5)

US. New Jersey Worker and Community Right-to-Know Act

Ethyl acetate (CAS 141-78-6) Ethyl alcohol (CAS 64-17-5)

US. Pennsylvania Worker and Community Right-to-Know Law Ethyl acetate (CAS 141-78-6) Ethyl alcohol (CAS 64-17-5)

US. Rhode Island RTK

Ethyl acetate (CAS 141-78-6) Ethyl alcohol (CAS 64-17-5)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Ethyl acetate (CAS 141-78-6)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	11-September-2018
Revision date	07-February-2019
Version #	02
HMIS® ratings	Health: 2 Flammability: 3 Physical hazard: 0

This product is subject to Greenfield Global USA Inc.'s terms and conditions, which can be found at http://www.greenfield.com/tc-po-us/. Greenfield cannot anticipate all conditions under which this information and this product, or the products of other manufacturers in combination with this product, may be used. The user is responsible for the proper and safe use, handling, storage and disposal of the product, and assumes liability for any loss, injury, damage or expense arising from any failure to do so. The data in this sheet is based on information and experience available at the time of writing.