



1. Identification

Product identifier	TRIMETHYLPENTANE	
Other means of identification		
CAS number	540-84-1	
Synonyms	Isooctane	
Recommended use	General purpose solvent.	
Recommended restrictions	Use in accordance with manufacturer's recom	mendations.
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	Skin corrosion/irritation	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
OSHA defined hazards	Not classified.	
Label elements		



Signal word Hazard statement

Highly flammable liquid and vapor. Causes skin irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Very toxic to aquatic life with long lasting effects.

Danger

Precautionary statement	
Prevention	Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/eye protection/face protection.
Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. In case of fire: Use appropriate media to extinguish. Collect spillage.
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Substances

Chemical name	Common name and synonyms	CAS number	%
2,2,4-Trimethylpentane	Isooctane	540-84-1	100
Composition comments	All concentrations are in percent by weight unle	ess otherwise indicated.	
4. First-aid measures			
Inhalation	Remove victim to fresh air and keep at rest in a center or doctor/physician if you feel unwell.	a position comfortable for bre	eathing. Call a poise
Skin contact	Take off immediately all contaminated clothing occurs: Get medical advice/attention. Wash co		
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.		
Ingestion	Call a physician or poison control center imme vomiting occurs, keep head low so that stomad		
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and p Headache. Nausea, vomiting. Direct contact w irritation. May cause redness and pain.		
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and trea immediately. While flushing, remove clothes w ambulance. Continue flushing during transport Symptoms may be delayed.	hich do not adhere to affecte	d area. Call an
General information	Take off all contaminated clothing immediately material(s) involved, and take precautions to p before reuse. Show this safety data sheet to the	rotect themselves. Wash con	
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbo	n dioxide (CO2).	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this	s will spread the fire.	
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. V of ignition and flash back. During fire, gases ha products may include: carbon oxides.		
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full pro	otective clothing must be wor	n in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe so without risk. Use water spray to keep fire-exp		n fire area if you ca
Specific methods	Use standard firefighting procedures and cons	ider the hazards of other invo	olved materials.
General fire hazards	Highly flammable liquid and vapor.		

6. Accidental release measures

o. Accidental release mea	
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. Avoid breathing mist/vapors. 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. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.
	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 release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. 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 breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. 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).
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8. Exposure controls/personal protection

Occupational exposure limits

Material	ts for Air Contaminants (29 CFR 1910.1 Type	Value	
2,2,4-Trimethylpentane (CAS 540-84-1)	PEL	2350 mg/m3	
		500 ppm	
US. NIOSH: Pocket Guide	e to Chemical Hazards		
Material	Туре	Value	
2,2,4-Trimethylpentane (CAS 540-84-1)	Ceiling	1800 mg/m3	
		385 ppm	
	TWA	350 mg/m3	
		75 ppm	
logical limit values	No biological exposure limits noted for	No biological exposure limits noted for the ingredient(s).	
propriate engineering trols	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.		

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical goggles are recommended.

Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Nitrile gloves are recommended. 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			
Physical state	Liquid.		
Form	Liquid.		
Color	Clear. Colorless.		
Odor	Gasoline-like.		
Odor threshold	Not available.		
рН	Not available.		
Melting point/freezing point	-160.6 °F (-107 °C)		
Initial boiling point and boiling range	208.4 - 210.2 °F (98 - 99 °C)		
Flash point	10.4 °F (-12.0 °C) closed cup		
Evaporation rate	Not available.		
Flammability (solid, gas)	Not applicable.		
Upper/lower flammability or exp	losive limits		
Flammability limit - lower (%)	1 % v/v		
Flammability limit - upper (%)	6 % v/v		
Vapor pressure	55 hPa (41 mmHg) (69.8 °F (21 °C)) 117 hPa (88 mmHg) (100.04 °F (37.8 °C))		
Vapor density	3.9 (air = 1)		
Relative density	Not available.		
Solubility(ies)			
Solubility (water)	negligible		
Partition coefficient (n-octanol/water)	4.6 log Pow		
Auto-ignition temperature	779 °F (415 °C)		
Decomposition temperature	Not available.		
Viscosity	Not available.		
Other information			
Explosive properties	Not explosive.		
Molecular formula	C8-H18		
Molecular weight	114.22 g/mol		
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	Hazardous polymerization does not occur.
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.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.		
Product	Species	Test Results	
2,2,4-Trimethylpentane (CAS 540	-84-1)		
Acute			
Dermal			
LD50	Rabbit	> 2000 mg/kg	
Inhalation			
Vapor	Det		
LC50	Rat	> 14.4 mg/l, 4 Hours	
Oral			
LD50	Rat	> 5000 mg/kg	
Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary 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 or any components present at greater than 0.1% are mutagenic or genotoxic.		
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 1910.100 ⁷	1-1053)	
Not regulated.		-1033)	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.		
Specific target organ toxicity -	May cause drowsiness and dizziness.		
single exposure			
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	May be fatal if swallowed and en	ters airways.	
Chronic effects	Prolonged inhalation may be har	mful	

12. Ecological information

Ecotoxicity	very toxic	to aquatic life with long lasting ef	iecis.	
Product	Species Test Results			
2,2,4-Trimethylpentane (CA	S 540-84-1)			
Aquatic				
Acute				
Crustacea	EC50	Daphnia magna	0.2 mg/l, 48 Hours	
Chronic				
Crustacea	NOEC	Daphnia magna	0.16 mg/l, 21 days	
Persistence and degradability	No data is	No data is available on the degradability of this product.		
Bioaccumulative potential				
Partition coefficient n-oct 4.6, log Pow	anol / water (I	log Kow)		
Mobility in soil	Expected	Expected to have low mobility in soil.		
Other adverse effects	The produpotential.	The product contains volatile organic compounds which have a photochemical ozone creation potential.		
13. Disposal considerati	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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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	product re	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			ct residue, follow label warnings even after container to an approved waste handling site for recycling or	

14. Transport information

DOT	
UN number	UN1262
UN proper shipping name	Octanes (RQ = 100 lb)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	ll
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T4, TP1
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1262
UN proper shipping name	Octanes
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	ll
Environmental hazards	Yes.
ERG Code	3H

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. **IMDG**

IMDG	
UN number	UN1262
UN proper shipping name	OCTANES
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	Yes.
EmS	F-E, S-E
Special precautions for use	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This product is a liquid and when transported in bulk is covered under MARPOL 73/78 Annex II. This product is listed in the IBC Code. Pollution category: X Ship type: 2
General information	DOT Regulated Marine Pollutant.
15. Regulatory information	
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Exp	ort Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA Hazardous Su	bstance List (40 CFR 302.4)
2,2,4-Trimethylpenta SARA 304 Emergency r	
Not regulated.	
OSHA Specifically Regu Not regulated.	llated Substances (29 CFR 1910.1001-1053)
Toxic Substances Control Act (TSCA)	This substance is on the TSCA 8(b) inventory and is designated "active".
ACT (TOOA)	
	authorization Act of 1986 (SARA)
Superfund Amendments and Re	authorization Act of 1986 (SARA) lous substance
Superfund Amendments and Re SARA 302 Extremely hazard	
Superfund Amendments and Re SARA 302 Extremely hazard Not listed.	lous substance
Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical	Yes
Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation
Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard	Yes Flammable (gases, aerosols, liquids, or solids)
Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure)
Superfund Amendments and Re SARA 302 Extremely hazard Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting)	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure)
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	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure)
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 Clean Air Act (CAA) Section 2,2,4-Trimethylpentane (0	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure) Aspiration hazard 112 Hazardous Air Pollutants (HAPs) List
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 Clean Air Act (CAA) Section 2,2,4-Trimethylpentane (0	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure) Aspiration hazard 112 Hazardous Air Pollutants (HAPs) List CAS 540-84-1)
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 Clean Air Act (CAA) Section 2,2,4-Trimethylpentane (C Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure) Aspiration hazard 112 Hazardous Air Pollutants (HAPs) List CAS 540-84-1)
Superfund Amendments and Resonance SARA 302 Extremely hazaro Not listed. SARA 311/312 Hazardous chemical Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 2,2,4-Trimethylpentane (C Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA)	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure) Aspiration hazard 112 Hazardous Air Pollutants (HAPs) List CAS 540-84-1) 112(r) Accidental Release Prevention (40 CFR 68.130)
Superfund Amendments and Resonance 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 2,2,4-Trimethylpentane (C Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure) Aspiration hazard 112 Hazardous Air Pollutants (HAPs) List CAS 540-84-1) 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.
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Superfund Amendments and Resonance 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 2,2,4-Trimethylpentane (C Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - Section 2,2,4-Trimethylpentane (C US. New Jersey Worker and	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure) Aspiration hazard 112 Hazardous Air Pollutants (HAPs) List CAS 540-84-1) 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Ibstance List CAS 540-84-1) Community Right-to-Know Act
Superfund Amendments and Resonance 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 2,2,4-Trimethylpentane (C Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - Si 2,2,4-Trimethylpentane (C US. New Jersey Worker and 2,2,4-Trimethylpentane (C	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure) Aspiration hazard 112 Hazardous Air Pollutants (HAPs) List CAS 540-84-1) 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Ibstance List CAS 540-84-1) Community Right-to-Know Act
Superfund Amendments and Resonance 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 2,2,4-Trimethylpentane (C Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - Si 2,2,4-Trimethylpentane (C US. New Jersey Worker and 2,2,4-Trimethylpentane (C	Yes Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure) Aspiration hazard 112 Hazardous Air Pollutants (HAPs) List CAS 540-84-1) 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Instance List CAS 540-84-1) Community Right-to-Know Act CAS 540-84-1) Community Right-to-Know Law

US. Rhode Island RTK

2,2,4-Trimethylpentane (CAS 540-84-1)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (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))

2,2,4-Trimethylpentane (CAS 540-84-1)

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 Revision date Version #	16-April-2019 - 01
HMIS® ratings	Health: 3 Flammability: 3 Physical hazard: 0
Disclaimer	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.