SAFETY DATA SHEET

1. Identification

Product identifier	GRAPHITE TLG-1059		
Other means of identification			
Product Code	09059 696981 604		
Recommended use Carpet and Vinyl Dye			
Manufacturer/Importer/Supplier/Distributor information			

Company name	Details Manufacturing & Dist.
Address	504 E Lincoln Way
	Ames, IA. 50010
	United States
Telephone	515-233-6555
Website	www.detailsmfg.com
E-mail	info@detailsmfg.com
Emergency phone number	INFOTRAC 1-800-535-5053

2. Hazard(s) identification

Physical hazards	Flammable aerosols	Category 1
	Gases under pressure	Liquefied gas
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 3
OSHA defined hazards	Not classified.	

Label elements



Danger

Signal word Hazard statement

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response	If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	42.6% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 42.6% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
ACETONE		67-64-1	40 to <50
N-BUTANE		106-97-8	10 to <20
PROPANE		74-98-6	10 to <20
TOLUENE		108-88-3	10 to <20
METHYL ETHYL KETONE		78-93-3	1 to <5
PROPYLENE GLYCOL METHYL ETHER ACETATE		108-65-6	1 to <5
XYLENE		1330-20-7	1 to <5
1-METHYL-2-PYRROLIDONE		872-50-4	0.1 to <1
BUTYL BENZYL PHTHALATE		85-68-7	0.1 to <1
CARBON BLACK		1333-86-4	0.1 to <1
ETHYLBENZENE		100-41-4	0.1 to <1
TITANIUM DIOXIDE		13463-67-7	0.1 to <1
Other components below reportable level	s		5 to <10

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	No adverse effects due to skin contact are expected. Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
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. No specific first aid measures noted.
Ingestion	Not likely, due to the form of the product. In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. 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.

5. Fire-fighting measures

Suitable extinguishing mediaAlcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).Unsuitable extinguishing mediaDo not use water jet as an extinguisher, as this will spread the fire.Specific hazards arising from the chemicalContents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.Special protective equipment and precautions for firefightersFirefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.Fire fighting equipment/instructionsIn case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.Specific methodsUse standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.General fire hazardsExtremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame.	0 0	
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	Specific methods	containers from fire area if you can do so without risk. In the event of fire and/or explosion do not
	General fire hazards	

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Emergency personnel need self-contained breathing equipment. 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	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage,	Level 3 Aerosol.
including any incompatibilities	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Secure cylinders in an upright position at all times, close all valves when not in use. Store in a well-ventilated place. 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)

Components	Туре	Value	Form
ACETONE (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
CARBON BLACK (CAS	PEL	3.5 mg/m3	
1333-86-4)			
ETHYLBENZENE (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
METHYL ETHYL KETONE (CAS 78-93-3)	PEL	590 mg/m3	
		200 ppm	
PROPANE (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
TITANIUM DIOXIDE (CAS	PEL	15 mg/m3	Total dust.
13463-67-7)			
XYLENE (CAS 1330-20-7)	PEL	435 mg/m3 100 ppm	
US. OSHA Table Z-2 (29 CFR 1910.1	-		
Components	Туре	Value	
TOLUENE (CAS 108-88-3)	Ceiling	300 ppm	
· · · · · · · · · · · · · · · · · · ·	TWA	200 ppm	
		pp	
US. ACGIH Threshold Limit Values	Tupo	Value	Form
Components	Туре	Value	
ACETONE (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
CARBON BLACK (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
ETHYLBENZENE (CAS	TWA	20 ppm	
100-41-4)		_0 pp	
METHYL ETHYL KETONE (CAS 78-93-3)	STEL	300 ppm	
· · · · ·	TWA	200 ppm	
N-BUTANE (CAS 106-97-8)	STEL	1000 ppm	
TITANIUM DIOXIDE (CAS	TWA	10 mg/m3	
13463-67-7) TOLUENE (CAS 108-88-3)	TWA	20 ppm	
		20 ppm	
XYLENE (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
US. NIOSH: Pocket Guide to Chemi			
Components	Туре	Value	
ACETONE (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
CARBON BLACK (CAS	TWA	0.1 mg/m3	
1333-86-4)		545 mg/m3	
ETHYLBENZENE (CAS	STEL	040 mg/mo	
ETHYLBENZENE (CAS	STEL	-	
ETHYLBENZENE (CAS		125 ppm	
ETHYLBENZENE (CAS	STEL	125 ppm 435 mg/m3	
1333-86-4) ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE		125 ppm	
ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE	TWA	125 ppm 435 mg/m3 100 ppm 885 mg/m3	
ETHYLBENZENE (CAS 100-41-4)	TWA	125 ppm 435 mg/m3 100 ppm 885 mg/m3 300 ppm	
ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE	TWA	125 ppm 435 mg/m3 100 ppm 885 mg/m3	
ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE	TWA STEL	125 ppm 435 mg/m3 100 ppm 885 mg/m3 300 ppm	
ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE	TWA STEL	125 ppm 435 mg/m3 100 ppm 885 mg/m3 300 ppm 590 mg/m3	

US. NIOSH: Pocket Guide Components	to Chemical Hazards Type			Value
PROPANE (CAS 74-98-6)	TWA			1800 mg/m3
				1000 ppm
TOLUENE (CAS 108-88-3)	STEL			560 mg/m3
				150 ppm
	TWA			375 mg/m3 100 ppm
US. Workplace Environme Components	ntal Exposure Level (V Type	VEEL) Guides		Value
1-METHYL-2-PYRROLIDO	TWA			40 mg/m3
NE (CAS 872-50-4)				10 ppm
PROPYLENE GLYCOL METHYL ETHER ACETATE (CAS 108-65-6)	TWA			50 ppm
iological limit values				
ACGIH Biological Exposu	e Indices			
e .	Value	Determinant	Specimen	n Sampling Time
1-METHYL-2-PYRROLIDO NE (CAS 872-50-4)	100 mg/l	5-Hydroxy-N-r ethyl-2-pyrrolic one		*
ACETONE (CAS 67-64-1)	50 mg/l	Acetone	Urine	*
ETHYLBENZENE (CAS	0.15 g/g	Sum of	Creatinine	ein *
100-41-4)		mandelic acid	urine	
		and phenylglyoxyli	c	
		acid	•	
METHYL ETHYL KETONE (CAS 78-93-3)	2 mg/l	MEK	Urine	*
TOLUENE (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine urine	ein *
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*
XYLENE (CAS 1330-20-7)	1.5 g/g	Methylhippurio acids	c Creatinine urine	in *
* - For sampling details, plea	ase see the source docu			
xposure guidelines				
US - California OELs: Skin	designation			
PROPYLENE GLYCOL	METHYL ETHER ACE	TATE Can	be absorbed th	rough the skin.
(CAS 108-65-6)		0		
TOLUENE (CAS 108-88 US - Minnesota Haz Subs:	,		be absorbed th	rough the skin.
TOLUENE (CAS 108-8	• · ·		designation ap	plies
US WEEL Guides: Skin de		0		P
1-METHYL-2-PYRROL	DONE (CAS 872-50-4)	Can	be absorbed th	rough the skin.
ppropriate engineering ontrols	should be matched t or other engineering exposure limits have	to conditions. If controls to mai	applicable, use j ntain airborne le blished, maintain	er hour) should be used. Ventilation rates process enclosures, local exhaust ventilatio evels below recommended exposure limits. n airborne levels to an acceptable level. Eye ilable when handling this product.
ndividual protection measures Eye/face protection	s, such as personal pro Wear safety glasses			
Skin protection				
Hand protection	Wear appropriate ch supplier.	emical resistan	t gloves. Suitabl	le gloves can be recommended by the glove
Other	Wear appropriate ch	emical resistan	t clothing.	
			-	hanical filter / organic vapor cartridge or an

General hygiene considerations

Wear appropriate thermal protective clothing, when necessary.

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	Aerosol. Liquefied gas.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-305.68 °F (-187.6 °C) estimated
Initial boiling point and boiling range	-43.78 °F (-42.1 °C) estimated
Flash point	-156.0 °F (-104.4 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	osive limits
Flammability limit - lower (%)	1.3 % estimated
Flammability limit - upper (%)	12.8 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	2275.22 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	550 °F (287.78 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	6.03 lbs/gal
Flammability class	Flammable IA estimated
Heat of combustion (NFPA 30B)	30.37 kJ/g estimated
Percent volatile	91.7
Specific gravity	0.72
VOC	582.035528 g/l Regulatory 354.168574 g/l Material 2.95568 lbs/gal Material 4.8573219 lbs/gal Regulatory

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	Heat. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong acids. Acids. Strong oxidizing agents. Nitrates. Halogens. Fluorine. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin 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. May cause drowsiness and dizziness. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity	Narcotic effects.	
Components	Species	Test Results
1-METHYL-2-PYRROLIDO	ONE (CAS 872-50-4)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	8000 mg/kg
Oral		
LD50	Mouse	5130 mg/kg
	Rat	3914 mg/kg
		4.2 ml/kg
ACETONE (CAS 67-64-1)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 15800 mg/kg
Inhalation		
LC50	Rat	76 mg/l, 4 Hours
Oral		
LD50	Mouse	3000 mg/kg
	Rat	5800 mg/kg
BUTYL BENZYL PHTHAL	ATE (CAS 85-68-7)	
<u>Acute</u>		
Dermal		"
LD50	Mouse	6700 mg/kg
	Rat	6700 mg/kg
Oral		
LD50	Rat	13500 mg/kg
CARBON BLACK (CAS 13	333-86-4)	
Acute		
Oral		5 0000 m = //
LD50	Rat	> 8000 mg/kg
ETHYLBENZENE (CAS 10	00-41-4)	
<u>Acute</u>		
Dermal LD50	Rabbit	17800 mg/kg
	Πασσι	Tr boo mgrky

Components	Species	Test Results
Oral	Pot	2500 malla
LD50	Rat	3500 mg/kg
METHYL ETHYL KETONE (C	AS 78-93-3)	
<u>Acute</u>		
Dermal LD50	Rabbit	
	Rabbit	> 8000 mg/kg
Inhalation LC50	Maura	11000 ppp 45 Minutes
LC30	Mouse	11000 ppm, 45 Minutes
	Rat	11700 ppm, 4 Hours
Oral		
LD50	Mouse	670 mg/kg
	Rat	2300 - 3500 mg/kg
N-BUTANE (CAS 106-97-8)		
<u>Acute</u>		
Inhalation		
LC50	Mouse	680 mg/l, 2 Hours
	Rat	658 mg/l, 4 Hours
PROPANE (CAS 74-98-6)		
<u>Acute</u>		
Inhalation		
LC50	Rat	> 1442.847 mg/l, 15 Minutes
TOLUENE (CAS 108-88-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	12124 mg/kg
		14.1 ml/kg
Inhalation		
LC50	Mouse	5320 ppm, 8 Hours
		400 ppm, 24 Hours
	Rat	26700 ppm, 1 Hours
		12200 ppm, 2 Hours
		8000 ppm, 4 Hours
01		0000 ppill, 4 Hours
Oral LD50	Rat	
	Γαι	2.6 g/kg
XYLENE (CAS 1330-20-7)		
<u>Acute</u>		
Dermal LD50	Rabbit	> 43 g/kg
	nauui	~ 45 y/ky
Inhalation	Mouree	2007
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
Oral		
LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.

Respiratory or skin sensitization	ı		
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected t	o cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate mutagenic or genotoxic.	product or any components present at greater than 0.1% are	
Carcinogenicity	Suspected of causing cancer.		
IARC Monographs. Overall	Evaluation of Carcinogenicity		
Not listed.	1333-86-4) 100-41-4) S 13463-67-7) 3) 7) d Substances (29 CFR 1910.1		
Reproductive toxicity	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. May damage fertility or the unborn child.		
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects		through prolonged or repeated exposure. Prolonged inhalation may ure may cause chronic effects.	

12. Ecological information

Ecotoxicity

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
ACETONE (CAS 67-64	-1)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
BUTYL BENZYL PHTH	ALATE (CAS 85-6	68-7)	
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 0.96 mg/l, 48 hours
Fish	LC50	Shiner perch (Cymatogaster aggregata)	0.47 - 0.56 mg/l, 96 hours
ETHYLBENZENE (CAS	S 100-41-4)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/l, 96 hours
METHYL ETHYL KETC	ONE (CAS 78-93-3		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	4025 - 6440 mg/l, 48 hours
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)	> 400 mg/l, 96 hours
TITANIUM DIOXIDE (C	AS 13463-67-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours
TOLUENE (CAS 108-8	8-3)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours

Components		Species	Test Results		
Fish	_C50	Coho salmon,silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours		
XYLENE (CAS 1330-20-7)					
Aquatic					
Fish	_C50	Bluegill (Lepomis macrochirus)	7.711 - 9.591 mg/l, 96 hours		
* Estimates for product may be		tional component data not shown.			
Persistence and degradability	No data is ava	ailable on the degradability of this product.			
Bioaccumulative potential					
Partition coefficient n-octane 1-METHYL-2-PYRROLIDONE ACETONE BUTYL BENZYL PHTHALATE		≺ow) -0.54 -0.24 4.91			
ETHYLBENZENE METHYL ETHYL KETONE		3.15 0.29			
N-BUTANE PROPANE TOLUENE		2.89 2.36 2.73			
XYLENE		3.12 - 3.2			
Mobility in soil	No data availa				
Other adverse effects		rse environmental effects (e.g. ozone dep ocrine disruption, global warming potential			
13. Disposal consideration	IS				
Disposal instructions	under pressur sewers/water	claim or dispose in sealed containers at lic e. Do not puncture, incinerate or crush. Do supplies. Do not contaminate ponds, wate pose of contents/container in accordance	o not allow this material to drain into rways or ditches with chemical or used		
Local disposal regulations	Dispose in acc	cordance 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	emptied. Emp	I containers may retain product residue, fo ty containers should be taken to an approvi tot re-use empty containers.	llow label warnings even after container is ved waste handling site for recycling or		
14. Transport information					
DOT					
UN number UN proper shipping name Transport hazard class(es)	UN1950 Aerosols, flam	mable, 2.1			
Class Subsidiary risk	Not available.				
Packing group Special precautions for user IATA	Not applicable Read safety ir	e. Istructions, SDS and emergency procedur	es before handling.		
UN number	UN1950				
UN proper shipping name Transport hazard class(es)	Aerosols, flam	imable, 2.1			
Class	Not available.				
Subsidiary risk	-				
Packing group Environmental hazards	Not applicable No.				
Special precautions for user	Read safety ir	nstructions, SDS and emergency procedur	es before handling.		

Other information			
Passenger and cargo aircraft	Forbidden.		
Cargo aircraft only	Forbidden.		
IMDG			
UN number	UN1950		
UN proper shipping name Transport hazard class(es)	Aerosols, flammable, 2.1		
Class Subsidiant risk	Not available.		
Subsidiary risk	- Not applicable.		
Packing group Environmental hazards	Not applicable.		
	No.		
Marine pollutant EmS	Not available.		
Special precautions for user		and emergency pro	cedures before handling
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.	and emergency pro	
15. Regulatory information			
US federal regulations	This product is a "Hazardous	Chemical" as defined	d by the OSHA Hazard Communication
Ū	Standard, 29 CFR 1910.1200 All components are on the U.S		-
TSCA Section 12(b) Export N	lotification (40 CFR 707, Sub	pt. D)	
Not regulated.			
TSCA Chemical Action Plans	s, Chemicals of Concern		
BUTYL BENZYL PHTHAL	ATE (CAS 85-68-7)	Phthalates Action	Plan
CERCLA Hazardous Substar			
ACETONE (CAS 67-64-1)		Listed.	
BUTYL BENZYL PHTHAL		Listed.	
ETHYLBENZENE (CAS 1)		Listed.	
		Listed. Listed.	
N-BUTANE (CAS 106-97- PROPANE (CAS 74-98-6)		Listed.	
TOLUENE (CAS 108-88-3		Listed.	
XYLENE (CAS 1330-20-7		Listed.	
SARA 304 Emergency releas			
Not regulated.			
OSHA Specifically Regulated	l Substances (29 CFR 1910.1	001-1050)	
Not listed.			
Superfund Amendments and Rea	•	RA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No		
SARA 302 Extremely hazard Not listed.	ous substance		
SARA 311/312 Hazardous chemical	No		
SARA 313 (TRI reporting)			
Chemical name		CAS number	% by wt
			% by wt.
TOLUENE XYLENE		108-88-3 1330-20-7	10 to <20 1 to <5
1-METHYL-2-PYRROLID	ONE	872-50-4	0.1 to <1
ETHYLBENZENE	~	100-41-4	0.1 to <1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List ETHYLBENZENE (CAS 100-41-4) TOLUENE (CAS 108-88-3) XYLENE (CAS 1330-20-7) Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) N-BUTANE (CAS 106-97-8) PROPANE (CAS 74-98-6)

Safe Drinking Water Act Not regulated.

(SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

ACETONE (CAS 67-64-1)	6532
METHYL ETHYL KETONE (CAS 78-93-3)	6714
TOLUENE (CAS 108-88-3)	6594
Drug Enforcement Administration (DEA). List	1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
ACETONE (CAS 67-64-1)	35 %WV
METHYL ETHYL KETONE (CAS 78-93-3)	35 %WV
TOLUENE (CAS 108-88-3)	35 %WV
DEA Exempt Chemical Mixtures Code Number	
ACETONE (CAS 67-64-1)	6532

ACETONE (CAS 67-64-1)	6532
METHYL ETHYL KETONE (CAS 78-93-3)	6714
TOLUENE (CAS 108-88-3)	594

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

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

1-METHYL-2-PYRROLIDONE (CAS 872-50-4) ACETONE (CAS 67-64-1) BUTYL BENZYL PHTHALATE (CAS 85-68-7) CARBON BLACK (CAS 1333-86-4) ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE (CAS 78-93-3) N-BUTANE (CAS 106-97-8) TITANIUM DIOXIDE (CAS 13463-67-7) TOLUENE (CAS 108-88-3) XYLENE (CAS 1330-20-7)

US. Massachusetts RTK - Substance List

1-METHYL-2-PYRROLIDONE (CAS 872-50-4) ACETONE (CAS 67-64-1) BUTYL BENZYL PHTHALATE (CAS 85-68-7) CARBON BLACK (CAS 1333-86-4) ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE (CAS 78-93-3) N-BUTANE (CAS 106-97-8) PROPANE (CAS 106-97-8) PROPANE (CAS 74-98-6) TITANIUM DIOXIDE (CAS 13463-67-7) TOLUENE (CAS 108-88-3) XYLENE (CAS 1330-20-7)

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

1-METHYL-2-PYRROLIDONE (CAS 872-50-4) ACETONE (CAS 67-64-1) BUTYL BENZYL PHTHALATE (CAS 85-68-7) CARBON BLACK (CAS 1333-86-4) ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE (CAS 78-93-3) N-BUTANE (CAS 106-97-8) PROPANE (CAS 106-97-8) PROPANE (CAS 74-98-6) TITANIUM DIOXIDE (CAS 13463-67-7) TOLUENE (CAS 108-88-3) XYLENE (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law

1-METHYL-2-PYRROLIDONE (CAS 872-50-4) ACETONE (CAS 67-64-1) BUTYL BENZYL PHTHALATE (CAS 85-68-7) CARBON BLACK (CAS 1333-86-4) ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE (CAS 78-93-3) N-BUTANE (CAS 106-97-8) PROPANE (CAS 106-97-8) PROPANE (CAS 74-98-6) TITANIUM DIOXIDE (CAS 13463-67-7) TOLUENE (CAS 108-88-3) XYLENE (CAS 1330-20-7)

US. Rhode Island RTK

1-METHYL-2-PYRROLIDONE (CAS 872-50-4) ACETONE (CAS 67-64-1) BUTYL BENZYL PHTHALATE (CAS 85-68-7) ETHYLBENZENE (CAS 100-41-4) METHYL ETHYL KETONE (CAS 78-93-3) N-BUTANE (CAS 106-97-8) PROPANE (CAS 106-97-8) TOLUENE (CAS 108-88-3) XYLENE (CAS 1330-20-7)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Listed: February 21, 2003			
Listed: April 29, 2011			
Listed: July 1, 1988			
Listed: June 11, 2004			
Listed: October 1, 1988			
Listed: September 2, 2011			
US - California Proposition 65 - CRT: Listed date/Developmental toxin			
Listed: June 15, 2001			
Listed: December 2, 2005			
Listed: October 1, 1987			
Listed: January 1, 1991			
US - California Proposition 65 - CRT: Listed date/Female reproductive toxin			
Listed: August 7, 2009			

International Inventories

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

*A "Yes" indicates that all components of this product comply 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

04-16-2015

Version # HMIS® ratings	01 Health: 2* Flammability: 4 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 4 Instability: 0
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