

SAFETY DATA SHEET

Revision Date 22-Apr-2021 Version 7

1. IDENTIFICATION

Product identifier

Product Name Spar-Marine Varnish Gloss

Other means of identification

Product Code 92408

SKU(s) 92401, 92404, 92408

Recommended use of the chemical and restrictions on use
Recommended Use
Uses advised against
No information available

Details of the supplier of the safety data sheet

Supplier Address

Old Masters 303 19th St. SE Orange City, IA 51041

Phone: 712-737-4993 Fax: 712-737-4997

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Reproductive toxicity	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Emergency Overview

Danger

Hazard statements

May cause an allergic skin reaction

May cause genetic defects

May cause cancer

Suspected of damaging fertility or the unborn child

May be fatal if swallowed and enters airways

Flammable liquid and vapor



Appearance No information available

Physical state Liquid

Odor No information available

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

- May be harmful in contact with skin
- Causes mild skin irritation
- Harmful to aquatic life with long lasting effects
- · Harmful to aquatic life

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	Trade Secret
Octamethylcyclotetrasiloxane	556-67-2	10 - 30	*
Mineral Spirits (Rule 66)	64742-47-8	7 - 13	*
Aromatic 100	64742-95-6	3 - 7	*
1,2,4-Trimethylbenzene	95-63-6	1 - 5	*
1,3,5 Trimethyl Benzene	108-67-8	1 - 5	*
1,2,3-Trimethylbenzene	526-73-8	1 - 5	*
Solvent Naphtha, Medium Aliphatic	64742-88-7	1 - 5	*

Xylene	1330-20-7	1 - 5	*
Mineral Spirits	64742-48-9	0.1 - 1	*
Cobalt 2-ethylhexanoate	136-52-7	0.1 - 1	*
Methyl Ethyl Ketoxime	96-29-7	0.1 - 1	*
Ethyl Benzene	100-41-4	0.1 - 1	*
Cumene	98-82-8	0.1 - 1	*

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin Contact Call a physician immediately.

Inhalation Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration.

Call a physician immediately.

Ingestion Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an

unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Flammable.

Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Use personal protective equipment as required.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. See Section 12 for additional

Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Cover liquid spill with sand, earth or other non-combustible absorbent material. Soak up

with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric

motors and static electricity).

Incompatible materials Chlorinated compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
1,2,4-Trimethylbenzene	-	-	TWA: 25 ppm
95-63-6			TWA: 125 mg/m ³
1,3,5 Trimethyl Benzene	-	-	TWA: 25 ppm
108-67-8			TWA: 125 mg/m ³
1,2,3-Trimethylbenzene	-	-	TWA: 25 ppm
526-73-8			TWA: 125 mg/m ³
Xylene	STEL: 150 ppm	TWA: 100 ppm	-
1330-20-7	TWA: 100 ppm	TWA: 435 mg/m ³	
		(vacated) TWA: 100 ppm	
		(vacated) TWA: 435 mg/m ³	
		(vacated) STEL: 150 ppm	
		(vacated) STEL: 655 mg/m ³	
Ethyl Benzene	TWA: 20 ppm	TWA: 100 ppm	IDLH: 800 ppm
100-41-4		TWA: 435 mg/m ³	TWA: 100 ppm
		(vacated) TWA: 100 ppm	TWA: 435 mg/m ³
		(vacated) TWA: 435 mg/m ³	STEL: 125 ppm
		(vacated) STEL: 125 ppm	STEL: 545 mg/m ³
		(vacated) STEL: 545 mg/m ³	
Cumene	TWA: 50 ppm	TWA: 50 ppm	IDLH: 900 ppm
98-82-8		TWA: 245 mg/m ³	TWA: 50 ppm
		(vacated) TWA: 50 ppm	TWA: 245 mg/m ³
		(vacated) TWA: 245 mg/m ³	
		(vacated) S*	
	1.6	S*	

NIOSH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special technical protective measures are necessary.

Skin and body protectionNo special technical protective measures are necessary.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

Remarks • Method

provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid

AppearanceNo information availableOdorNo information availableColorNo information availableOdor thresholdNo information available

<u>Property</u> <u>Values</u>

pH No information available

Melting point / freezing point

Boiling point / boiling range
Flash point

Evaporation rate
Flammability (solid, gas)
Flammability Limit in Air

No information available
No information available
No information available

Upper flammability limit:
Lower flammability limit:
Vapor pressure

No information available
No information available
No information available

Vapor pressureNo information availableVapor densityNo information available

Specific Gravity 0.95

Water solubility No information available Solubility in other solvents No information available No information available **Partition coefficient Autoignition temperature** No information available **Decomposition temperature** No information available Kinematic viscosity No information available **Dynamic viscosity** No information available **Explosive properties** No information available **Oxidizing properties** No information available

Other Information

Softening pointNo information availableMolecular weightNo information available

Liquid Density 7.89 lbs/gal

Bulk density No information available

Percent solids by weight 50.0% Percent volatile by weight 28.8% Percent solids by volume 45.7% Actual VOC (lbs/gal) 2.3 Actual VOC (grams/liter) 271.8 EPA VOC (lbs/gal) 2.9 EPA VOC (grams/liter) 344.6 EPA VOC (lb/gal solids) 5

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Chlorinated compounds.

Hazardous decomposition products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information No data available

Inhalation No data available.

Eye contact No data available.

Skin Contact No data available.

Ingestion No data available.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Octamethylcyclotetrasiloxane 556-67-2	= 1540 mg/kg (Rat)	= 794 μL/kg (Rabbit)	= 36 g/m ³ (Rat) 4 h
Mineral Spirits (Rule 66) 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat)4 h
Aromatic 100 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
1,2,4-Trimethylbenzene 95-63-6	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m³ (Rat) 4 h
1,3,5 Trimethyl Benzene 108-67-8	= 5000 mg/kg (Rat)	-	= 24 g/m³ (Rat) 4 h
1,2,3-Trimethylbenzene 526-73-8	= 6500 mg/kg (Rat)	-	-
Solvent Naphtha, Medium Aliphatic 64742-88-7	> 25 mL/kg (Rat)	> 3000 mg/kg (Rabbit)	> 13 mg/L (Rat) 4 h
Xylene 1330-20-7	= 3500 mg/kg (Rat)	> 1700 mg/kg (Rabbit) > 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h
Mineral Spirits 64742-48-9	> 6000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	> 8500 mg/m³ (Rat) 4 h
Cobalt 2-ethylhexanoate 136-52-7	= 1300 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 10 mg/L (Rat) 1 h
Methyl Ethyl Ketoxime 96-29-7	= 930 mg/kg (Rat)	1000 - 1800 mg/kg (Rabbit)	> 4.83 mg/L (Rat) 4 h
Ethyl Benzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg(Rabbit)	= 17.4 mg/L (Rat) 4 h
Cumene 98-82-8	= 1400 mg/kg (Rat)	= 12300 μL/kg(Rabbit)	= 39000 mg/m ³ (Rat) 4 h > 3577 ppm (Rat) 6 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

SensitizationNo information available.Germ cell mutagenicityNo information available.CarcinogenicityNo information available.

Chemical name	ACGIH	IARC	NTP	OSHA
Xylene 1330-20-7	-	Group 3	-	-
Cobalt 2-ethylhexanoate 136-52-7	-	Group 2B	Reasonably Anticipated	Х
Ethyl Benzene 100-41-4	A3	Group 2B	-	Х
Cumene 98-82-8	-	Group 2B	Reasonably Anticipated	Х

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity

Repeated inhalation or oral exposure of mice and rats to a trade secret chemical produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. Good industrial hygiene practice minimizes inhalation exposure to any chemical. In developmental toxicity studies in which rats and rabbits were exposed to a trade secret chemical by vapor inhalation at concentrations up to 700 ppm and 500 ppm respectively, no teratogenic effects were observed. A trade secret chemical administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70 ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known.

STOT - single exposure STOT - repeated exposure Chronic toxicity No information available. No information available.

Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands. Contains a known or suspected reproductive toxin. See Section 11: TOXICOLOGICAL INFORMATION. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

Target organ effects Aspiration hazard liver, blood, Central nervous system, Eyes, Respiratory system, Skin.

No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects

4.99% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Octamethylcyclotetrasiloxane	=	500: 96 h Brachydanio rerio mg/L	25.2: 24 h Daphnia magna mg/L
556-67-2		LC50 1000: 96 h Lepomis	EC50
		macrochirus mg/L LC50	
Mineral Spirits (Rule 66)	-	45: 96 h Pimephales promelas mg/L	4720: 96 h Den-dronereides

Lepomis macrochirus mg/L LC50 static 2.4:9 6 h Oncortynchus mykiss mg/L LC50 static 2.4:9 6 h Oncortynchus mykiss mg/L LC50 static 2.2:9 6 h Oncortynchus mykiss mg/L LC50 static 2.2:9 6 h Oncortynchus mykiss mg/L LC50 flow-through pg-6-3-6 h Pseudokirchneriella subcapitata mg/L EC50 2.2:9 h Dncortynchus mykiss mg/L LC50 flow-through pg-6-3-8 h Pseudokirchneriella subcapitata mg/L EC50 3.48:9 h Pimephales promelas mg/L LC50 flow-through pg-6-3-8 h Pseudokirchneriella subcapitata mg/L EC50 3.62:4 h Daphnia magna mg/L EC50 3.62:				
Static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 3.3: 24.9 b h Carda-19.5	64742-47-8		LC50 flow-through 2.2: 96 h	heteropoda mg/L LC50
Mineral Spirits Aromatic 100 A				
Aromatic 100			static 2.4: 96 h Oncorhynchus	
1.2.4-Trimethylbenzene 95-63-6 7.19 - 8.28 96 h Pimephales promelas mg/L LC50 flow-through 50:24 h Daphnia magna mg/L 50:06 h Pimephales promelas mg/L LC50 flow-through 50:24 h Daphnia magna mg/L 50:06 h Pimephales promelas mg/L LC50 static 50:24 h Daphnia magna mg/L 50:06 h Pimephales promelas mg/L LC50 static 50:24 h Daphnia magna mg/L 50:06 h Pimephales promelas mg/L LC50 static 50:24 h Daphnia magna mg/L 50:06 h Pimephales promelas mg/L LC50 static 8.24 h Daphnia magna mg/L 50:06 h Pimephales promelas mg/L LC50 flow-through 13.5 + 17-16.5 6.5 h Lepomis macrochirus mg/L LC50 flow-through 13.5 + 17-3.39 h Oncorhynchus mykiss mg/L LC50 static 23.63 - 29.97 96 h Pimephales promelas mg/L LC50 static 23.63 - 29.97 96 h Pimephales promelas mg/L LC50 static 23.63 - 29.97 96 h Pimephales promelas mg/L LC50 static 23.63 - 29.97 96 h Pimephales promelas mg/L LC50 static 23.63 - 29.97 96 h Pimephales promelas mg/L LC50 static 23.63 - 29.97 96 h Pimephales promelas mg/L LC50 static 23.63 - 29.97 96 h Pimephales promelas mg/L LC50 static 23.63 - 29.97 96 h Pimephales promelas mg/L LC50 restition of mg/L LC50 r				
12,4-Trimethylbenzene	Aromatic 100	-	9.22: 96 h Oncorhynchus mykiss	6.14: 48 h Daphnia magna mg/L
1,3,5 Trimethyl Benzene 108-67-8 2.650 flow-through 3.48; 96 h Pimephales promelas mg/L LC50 semi-static 780; 96 h Pseudokirchneriella subcapitata mg/L EC50 3.48; 96 h Pimephales promelas mg/L LC50 static 772-914; 96 h Pseudokirchneriella subcapitata mg/L EC50 static 3.49; 96 h Pimephales promelas mg/L LC50 static 773-96 h Oncorhynchus mykiss mg/L LC50 static 773-96 h Oncorhynchus mykiss mg/L LC50 static 775-914; 96 h Poecilia reticulata mg/L LC50 static 775-914; 96 h Poecilia reticulata mg/L LC50 static 777-914; 96 h Poecilia reticulata mg/L LC50 static 775-914; 96 h Poecilia reticulata mg/L LC50 static 777-914; 96 h Oncorhynchus mykiss mg/L LC50 static 777-914; 96 h Oncorhynchus mykiss mg/L LC50 static 777-914; 96 h Poecilia reticulata mg/L LC50 static 777-914; 96 h Pimephales promelas mg/L LC50 sta				
3.48: 96 h Pimephales promelas mg/L LC50 substance	1,2,4-Trimethylbenzene	-	7.19 - 8.28: 96 h Pimephales	6.14: 48 h Daphnia magna mg/L
108-67-8			promelas mg/L LC50 flow-through	
Solvent Naphtha, Medium Aliphatic 64742-88-7	1,3,5 Trimethyl Benzene	-	3.48: 96 h Pimephales promelas	50: 24 h Daphnia magna mg/L
Sylene 1330-20-7 Subcapitata mg/L EC50 134. mg/L LC50 static 13.4. 1-16.5: mg/L LC50 static 13.6. 1-16.5: mg/L LC50 stat			mg/L LC50	
13.4° 96 h Primephales promelas mg/L LC50 mg/L LC50 flow-through 13.1 - 16.5; mg/L LC50 flow-through 13.1 - 16.5; mg/L LC50 flow-through 13.5 - 17.3° 96 h Oncorhynchus my/L LC50 flow-through 13.5 - 17.3° 96 h Oncorhynchus my/L LC50 static 2.661 - 4.075° 96 h Poecilia reticulata mg/L LC50 static 2.661 - 4.093° 96 h Oncorhynchus my/siss mg/L LC50 static 2.53 - 29.97° 96 h Pimephales promelas mg/L LC50 static 2.661 - 4.093° 96 h Oncorhynchus my/siss mg/L LC50 static 2.661 - 4.093° 96 h Oncorhynchus my/siss mg/L LC50 static 2.661 - 4.093° 96 h Oncorhynchus my/siss mg/L LC50 static 2.661 - 4.093° 96 h Oncorhynchus my/siss mg/L LC50 static 780° 96 h Pimephales promelas mg/L LC50 static 780° 96 h Cyprinus carpio mg/L LC50 static 780° 96 h Cyprinus carpio mg/L LC50 static 780° 96 h Cyprinus carpio mg/L LC50 static 780° 96 h Chaetogammarus marinus mg/L LC50 static 19° 96 h Chaetogammarus marinus mg/L LC50 static 19° 96 h Chaetogammarus marinus mg/L LC50 static 320° - 1000° 96 h Leuciscus idus mg/L LC50 static 320° - 1000° 96 h Leuciscus idus mg/L LC50 static 320° - 1000° 96 h Leuciscus idus mg/L LC50 static 320° - 1000° 96 h Leuciscus idus mg/L LC50 static 320° - 1000° 96 h Leuciscus idus mg/L LC50 static 320° - 1000° 96 h Leuciscus idus mg/L LC50 static 320° - 1000° 96 h Leuciscus idus mg/L LC50 static 320° - 1000° 96 h Leuciscus idus mg/L LC50 static 320° - 1000° 96 h Leuciscus idus mg/L LC50 static 320° 96 h Leponthynchus my/siss mg/L LC50 static 320° 96 h Leponthynchus mg/siss mg	Solvent Naphtha, Medium Aliphatic	450: 96 h Pseudokirchneriella	800: 96 h Pimephales promelas	100: 48 h Daphnia magna mg/L
Mg/L LC50 flow-through 13.1 - 15.5: 96 h Gammarus lacustris mg/L LC50 flow-through 13.5 - 17.3: 96 h Coordinate mg/L LC50 flow-through 13.5 - 17.3: 96 h Coordinate mg/L LC50 flow-through 13.5 - 17.3: 96 h Coordinate mg/L LC50 flow-through 13.5 - 17.3: 96 h Coordinate mg/L LC50 flow-through 13.5 - 17.3: 96 h Coordinate mg/L LC50 flow-through 13.5 - 17.3: 96 h Coordinate mg/L LC50 flow-through 13.5 - 17.3: 96 h Coordinate mg/L LC50 flow-through 13.1 - 15.5: 96 h Coordinate mg/L LC50 flow-through 13.1 - 15.5: 96 h Coordinate mg/L LC50 flow-through 13.1 - 15.5: 96 h Chaetogammarus marinus mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 flow-through 12.5: 95 h Chaetogammarus marinus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 flow-through 12.5: 96 h Chaetogammarus marinus mg/L LC50 flow-through 13.5 - 17.5: 96 h Poecilia reticulata mg/L LC50 static 32.0 - 1000: 96 h Leuciscus idus mg/L LC50 static 32.0 - 1000: 96 h Leuciscus idus mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordinate mg/L LC50 static 32.0 + 100: 96 h Coordin	64742-88-7	subcapitata mg/L EC50	mg/L LC50 static	
\$\frac{9}{6} \text{ h Lepomis macrochirus mg/L LC50} \\ \frac{1}{10} \text{ LC50} \\ \frac{1}{10} \te	Xylene	-	13.4: 96 h Pimephales promelas	
LC50 flow-through 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 2.353 - 29.97: 96 h Pimephales promelas mg/L LC50 static 2.353 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Pimephales promelas mg/L LC50 static 2.61 EC50 mg/L LC50 mg/L LC	1330-20-7		mg/L LC50 flow-through 13.1 - 16.5:	0.6: 48 h Gammarus lacustris mg/L
Oncorhynchus myklss mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 2.263 - 2.997: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 static 780: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 2200: 96 h Pimephales promelas mg/L LC50 2200: 96 h Pimephales promelas mg/L LC50 26: 96 h Chaetogammarus marinus mg/L LC50 2200: 96 h Pimephales promelas mg/L LC50 26: 96 h Chaetogammarus marinus mg/L LC50 2200: 96 h Pimephales promelas mg/L LC50 26: 96 h Chaetogammarus marinus mg/L LC50 26: 96 h Chaetogammarus marinus mg/L LC50 26: 96 h Poecilia reticulata mg/L LC50 26: 96 h Chaetogammarus marinus mg/L LC50 26: 96 h Chaetogammarus mg/L LC50 26: 96 h Chaet				LC50
30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Lepomis macrochirus				
reticulata mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 Mineral Spirits 64742-48-9 Methyl Ethyl Ketoxime 96-29-7 Methyl Ethyl Ketoxime 96-29-7 Methyl Ethyl Ketoxime 100-41-4 Subcapitata mg/L EC50 Ethyl Benzene 100-41-4 A38: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 77 h Pseudokirchneriella subcapitata mg/L EC50 static 80 h Pseudokirchneriella subcapitata mg				
4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 static 780: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 32: 96 h Lepomis mg/L LC50 static 32: 96 h Lepomis mg/L				
mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 Mineral Spirits 64742-48-9 Methyl Ethyl Ketoxime 96-29-7 Methyl Ethyl Ketoxime 96-29-7 Methyl Ethyl Ketoxime 96-29-7 Sas: 72 h Desmodesmus subspicatus mg/L EC50 Ethyl Benzene 100-41-4 Subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 77 - 914: 96 h Pimephales promelas mg/L LC50 flow-through 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L EC50 To: 96 h Chaetogammarus marinus mg/L LC50 To: 96 h Chaetogammarus marinus mg/L LC50 To: 96 h Poecilia reticulata mg/L EC50 static To: 914: 96 h Pimephales promelas mg/L LC50 flow-through 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 32: 96 h Chaetogammarus marinus mg/L LC50 static 32: 96 h Chaetogammarus marinus mg/L LC50 To: 96 h Cheetogammarus marinus mg/L LC50 static To: 96 h Chaetogammarus marinus mg/L LC50 To: 96 h Cheetogammarus marinus mg/L LC50 To: 96 h Cheetogammarus marinus mg/L LC50 To: 96 h Cheetogammarus marinus mg/L LC50 static To: 96 h Cheetogammarus marinus mg/L LC50 flow-through 18 2.4: 48 h Daphnia magna mg/L EC50 Static 32: 96 h Lepomis macrochirus mg/L LC50 static To: 96 h Cheetogammarus marinus mg/L LC50 static To: 96 h Cheetogammarus marinus mg/L LC50 static To: 96 h Cheetogammarus marinus mg/L LC50 static To: 96 h Cheetogammarus mg/L LC50 static To: 96 h Cheetogammarus mg/L LC50 static To: 96 h Cheetogammarus To: 96: 96 h Cheeto				
h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 Mineral Spirits 64742-48-9 Methyl Ethyl Ketoxime 96-29-7 Methyl Ethyl LC50 Mothyl Methyl Ethyl LC50 Mothyl Methyl Ethyl LC50 Mothyl Methyl Ethyl Met				
static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Pimephales promelas mg/L LC50 Methyl Ethyl Ketoxime 96-29-7 Methyl Ethyl Ketoxime 96-29-7 Methyl Ethyl Ketoxime 96-29-7 Methyl Ethyl Ketoxime 100: 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 777 - 914: 96 h Pimephales promelas mg/L LC50 static 777 - 914: 96 h Oncorhynchus mykiss mg/L LC50 static 42: 96 h Oncorhynchus mykiss mg/L LC50 static 42: 96 h Oncorhynchus mykiss mg/L LC50 static 42: 96 h Oncorhynchus mykiss mg/L LC50 static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 7.56: 96 h Pimephales promelas mg/L LC50 static 96: 96 h Poecilia reticulata mg/L EC50 static 96: 96 h Pimephales promelas mg/L LC50 static 96: 96 h Pimephales promelas mg/L LC				
Mineral Spirits September				
Cyprinus carpio mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 Mineral Spirits - 2200: 96 h Pimephales promelas mg/L LC50 Methyl Ethyl Ketoxime 96-29-7 Methyl Ketoxime 96-29-7 Methyl Ethyl Ketoxime 97-20-20-20-20-20-20-20-20-20-20-20-20-20-				
S.591: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50			0	
Mineral Spirits 64742-48-9 2200: 96 h Pimephales promelas mg/L LC50 26: 96 h Chaetogammarus marinus mg/L LC50 26: 96 h Poecilia reticulata mg/L LC50 750: 48 h Daphnia magna mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 4.2: 96 h Oncorhynchus mg/L LC50 static 4.2: 96 h Oncorhynchus mg/L LC50 static 32: 96 h Oncorhynchus mg/L LC50 static 32: 96 h Leuciscus idus mg/L LC50 static 32: 96 h Leuciscus idus mg/L LC50 static 32: 96 h Leuciscus idus mg/L LC50 static 32: 96 h Poecilia reticulata mg/L EC50 Static 32: 96 h Poecilia reticulata mg/L E				
Mineral Spirits 64742-48-9 Methyl Ethyl Ketoxime 96-29-7 Methyl Benzene 100-41-4 Ethyl Benzene 100-41-4 Cumene 98-82-8 Mineral Spirits 64742-48-9 2200: 96 h Pimephales promelas mg/L LC50 2200: 96 h Poecilia reticulata mg/L LC50 760: 96 h Poecilia reticulata mg/L LC50 static 777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mg/L LC50 12.0 - 18.0 h Onc				
Mineral Spirits 64742-48-9 Methyl Ethyl Ketoxime 96-29-7 Methyl Ethyl Rectorial Spirits 98-82-8 Methyl Ethyl Rectorial Spirits 1760: 96 h Poecilia reteiculata mg/L LC50 10-96 h Pimephales promelas mg/L LC50 static 10-96 h Pimephales promelas mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 11.0 - 18.0: 96 h Oncorhynchus mg/L LC5				
Methyl Ethyl Ketoxime 96-29-7	Min and Onivia			0.0.00 0
Methyl Ethyl Ketoxime 96-29-7 83: 72 h Desmodesmus subspicatus mg/L EC50 83: 72 h Desmodesmus subspicatus mg/L EC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static Cumene 98-82-8 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 static 6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 Static 0.6: 48 h Daphnia magna mg/L EC50 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static 0.6: 48 h Daphnia mg/L EC50 Static 0.6: 48 h Daphnia		-		
Ethyl Benzene		00. 70 h Danier danier et la citation		
Leuciscus idus mg/L LC50 static 777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through Ethyl Benzene 100-41-4 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static Tomphales promelas mg/L LC50 flow-through 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static Tomphales Tomphales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss Tomphales promelas mg/L LC50 static promelas mg/L LC50 static promelas mg/L LC50 flow-through 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykis mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Poecilia reticulata mg/L LC50 static promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss Tomphales promelas mg/L LC50 static promelas mg/L LC50 flow-through promelas mg/L EC50 static 0.6: 48 h Daphnia magna mg/L				
Ethyl Benzene 100-41-4 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static The pseudokirchneriella subcapitata mg/L EC50 static Semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static The pseudokirchneriella subcapitata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static The pseudokirchneriella subcapitata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static The pseudokirchneriella subcapitata mg/L LC50 static semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static static 32: 96 h Poecilia reticulata mg/L LC50 static	90-29-7	Ilig/L EC30		EC30
Ethyl Benzene 100-41-4 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static EC50 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static Static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static Cumene 98-82-8 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 4.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Pseudokirus mg/L LC50 static 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static 0.6: 48 h Daphnia mg/L EC50 Static 0.6: 48 h Daphnia mg/L EC50 Static 0.6: 48 h Daphnia				
Ethyl Benzene 100-41-4 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static Tomphales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 96: 96 h Poecilia reticulata mg/L LC50 static Tomphales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static static 32: 96 h Pseudokirchneriella subcapitata mg/L LC50 static 96: 96 h Poecilia reticulata mg/L LC50 static Tomphales promelas mg/L LC50 static 32: 96 h Pseudokirchneriella subcapitata mg/L LC50 static 96: 96 h Poecilia reticulata mg/L LC50 static Tomphales promelas mg/L LC50 static 32: 96 h Pseudokirchneriella subcapitata mg/L LC50 static 96: 96 h Poecilia reticulata mg/L LC50 static Tomphales promelas mg/L LC50 static 32: 96 h Doncorhynchus mg/L LC50 static static 32: 96 h Pseudokirchneriella subcapitata mg/L LC50 static static 32: 96 h Pseudokirchneriella static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static static 32: 96 h Pseudokirchneriella reticulata mg/L LC50 static				
subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 96: 96 h Poecilia reticulata mg/L LC50 static Cumene 98-82-8 subcapitata mg/L EC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 96: 96 h Poecilia reticulata mg/L LC50 static 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static 0.6: 48 h Daphnia mg/L EC50 Static 0.6: 48 h Daphnia magna mg/L EC50	Ethyl Bonzono	428: 06 h Dagudakiraharialla		1.9. 2.4: 49 h Donhnio magna mg/l
72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static mg/L EC50 static mg/L EC50 static subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static mg/L EC50 static static 32: 96 h Lepomis macrochirus mg/L LC50 static 32: 96 h Poecilia reticulata mg/L LC50 static Cumene 98-82-8 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static 6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 static 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 static 9.6: 48 h Daphnia magna mg/L EC50 static 9.6: 48 h Daphnia			mykies ma/LLC50 static 4.2: 96 h	
subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static mg/L EC50 static mg/L EC50 static semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 96: 96 h Poecilia reticulata mg/L LC50 static Cumene 98-82-8 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 static 7.9 - 14.1: 48 h Daphnia magna promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss magna mg/L EC50	100-41-4	, , ,		[
72 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static mg/L EC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 32: 96 h Poecilia reticulata mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static 9.8: 96 h Poecilia reticulata mg/L LC50 static 7.9 - 14.1: 48 h Daphnia magna promelas mg/L LC50 static 0.6: 48 h Daphnia 4.8: 96 h Oncorhynchus mykiss magna mg/L EC50				
subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static mg/L EC50 static mg/L LC50 static static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static Cumene 98-82-8 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss flow-through 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss				
h Pseudokirchneriella subcapitata mg/L EC50 static Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static Cumene 98-82-8 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static 0.6: 48 h Daphnia magna mg/L EC50				
mg/L EC50 static static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static Cumene 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static 9.6: 48 h Daphnia magna mg/L EC50 static 9.6: 48 h Daphnia magna mg				
mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static Cumene 98-82-8 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss magna mg/L EC50				
reticulata mg/L LC50 static Cumene 2.6: 72 h Pseudokirchneriella 98-82-8 subcapitata mg/L EC50 reticulata mg/L LC50 static 6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss magna mg/L EC50 magna mg/L EC50]		
Cumene 2.6: 72 h Pseudokirchneriella 98-82-8 subcapitata mg/L EC50 promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static 0.6: 48 h Daphnia magna mg/L EC50				
98-82-8 subcapitata mg/L EC50 promelas mg/L LC50 flow-through mg/L EC50 Static 0.6: 48 h Daphnia 4.8: 96 h Oncorhynchus mykiss magna mg/L EC50	Cumene	2.6: 72 h Pseudokirchneriella		7.9 - 14.1: 48 h Daphnia magna
4.8: 96 h Oncorhynchus mykiss magna mg/L EC50				
			4.8: 96 h Oncorhynchus mykiss	
mg/L LC50 flow-through 2.7: 96 h			mg/L LC50 flow-through 2.7: 96 h	
Oncorhynchus mykiss mg/L LC50				
semi-static 5.1: 96 h Poecilia			semi-static 5.1: 96 h Poecilia	
reticulata mg/L LC50 semi-static			reticulata mg/L LC50 semi-static	

<u>Persistence and degradability</u> No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Octamethylcyclotetrasiloxane	5.1
556-67-2	
1,2,4-Trimethylbenzene	3.63
95-63-6	
Xylene	2.77 - 3.15
1330-20-7	
Methyl Ethyl Ketoxime	0.65
96-29-7	

Ethyl Benzene 100-41-4	3.2
Cumene	3.7
98-82-8	

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Do not reuse container.

US EPA Waste Number D001 U019 U055 U165 U220 U239

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylene	-	Included in waste stream:	-	U239
1330-20-7		F039		
Ethyl Benzene	-	Included in waste stream:	-	-
100-41-4		F039		
Cumene	-	-	-	U055
98-82-8				

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Xylene	Toxic
1330-20-7	Ignitable
Cobalt 2-ethylhexanoate	Toxic
136-52-7	
Ethyl Benzene	Toxic
100-41-4	Ignitable
Cumene	Toxic
98-82-8	Ignitable

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies DSL/NDSL Complies *

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

^{*} This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
1,2,4-Trimethylbenzene - 95-63-6	1.0
Xylene - 1330-20-7	1.0
Ethyl Benzene - 100-41-4	0.1
Cumene - 98-82-8	0.1

SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic Health Hazard No
Fire hazard Yes
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb	-	-	Х
Ethyl Benzene 100-41-4	1000 lb	X	X	Х

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Xylene	100 lb	-	RQ 100 lb final RQ
1330-20-7			RQ 45.4 kg final RQ
Ethyl Benzene	1000 lb	-	RQ 1000 lb final RQ
100-41-4			RQ 454 kg final RQ
Cumene	5000 lb	-	RQ 5000 lb final RQ
98-82-8			RQ 2270 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Ethyl Benzene - 100-41-4	Carcinogen
Cumene - 98-82-8	Carcinogen
Toluene - 108-88-3	Developmental
Benzene(including benzene from gasoline) - 71-43-2	Carcinogen
	Developmental
	Male Reproductive
Naphthalene - 91-20-3	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts
1,2,4-Trimethylbenzene	X	X
95-63-6		
Xylene	X	X
1330-20-7		
Nonane	X	X
111-84-2		
Cobalt 2-ethylhexanoate	X	-

_			
L	136-52-7		
ſ	Ethyl Benzene	X	X
L	100-41-4		
ſ	Cumene	X	X
-	98-82-8		

Chemical name	Pennsylvania
1,2,4-Trimethylbenzene 95-63-6	X
Xylene 1330-20-7	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Hazardous air pollutants (HAPS) content

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants' (present individually at 1% by weight, or greater):

Chemical name	Weight % of HAPS in Product	Pounds HAPS / Gal Product
Xylene	1.45%	0.11
1330-20-7		

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA Health hazards 2 Flammability 2 Instability 0 Physical and chemical

properties -

<u>HMIS</u> Health hazards 2 * Flammability 2 Physical hazards 0 Personal protection X

Chronic Hazard Star Legend *= Chronic Health Hazard

Revision Date 22-Apr-2021

Revision Note

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet