

Issue date 17-Jul-2018

Revision date 28-Feb-2019

Revision Number 3

1. IDENTIFICATION

Product identification

Product identifier	Lawson Rubber Undercoat Rubberized Undercoating
Other means of identification	89154
Recommended use	Coating
Restrictions on use	For industrial use only

Supplier

Corporate Headquarters:
Lawson Products, Inc.
8770 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
(866) 837-9908

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

Symbol



Signal word DANGER

Hazard statements	H222 - Extremely flammable aerosol H315 - Causes skin irritation H280 - Contains gas under pressure; may explode if heated H304 - May be fatal if swallowed and enters airways H336 - May cause drowsiness or dizziness H319 - Causes serious eye irritation H351 - Suspected of causing cancer H361 - Suspected of damaging fertility or the unborn child H373 - May cause damage to organs through prolonged or repeated exposure
Precautionary statements	
General	P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P103 - Read label before use.
Prevention	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source P251 - Pressurized container: Do not pierce or burn, even after use P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash face, hands and any exposed skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing and eye/face protection
Response	
General	P308 + P313 - IF exposed or concerned: Get medical advice/attention P321 - Specific treatment (see supplemental first aid instructions on this label)
Eyes	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention
Skin	P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P332 + P313 - If skin irritation occurs: Get medical advice/attention P362 - Take off contaminated clothing and wash before reuse
Inhalation	P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell
Ingestion	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P331 - Do NOT induce vomiting
Fire	P374 - Fight fire with normal precautions from a reasonable distance
Spill	P391 - Collect spillage
Storage	P405 - Store locked up P403 + P233 - Store in a well-ventilated place. Keep container tightly closed P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Disposal	P501 - Dispose of contents/ container to an approved waste disposal plant
Hazard(s) Not Otherwise Classified (HNOC)	None known.

Physical Hazards Not Otherwise Classified (PHNOC) None known.

Unknown acute toxicity 0.29445706%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Calcium Carbonate	1317-65-3	35-40
Toluene	108-88-3	15-20
Propane/Isobutane/N-Butane	68476-86-8	15-20
Methyl acetate	79-20-9	15-20
Acetone	67-64-1	3-8
Xylenes (o-, m-, p- isomers)	1330-20-7	0.1-1
Petroleum Distillates	64742-89-8	0.1-1
Methanol	67-56-1	.1-1
Carbon Black	1333-86-4	0.1-1
Quartz (Crystalline Silica)	14808-60-7	.1-.5
Naphthalene	91-20-3	.1-.5
Ethylbenzene	100-41-4	.1-.5
Benzene	71-43-2	.1-.5

The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST-AID MEASURES

Necessary first-aid measures

General Information	Avoid contact with eyes, skin, and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen may be necessary. If breathing has stopped, contact emergency medical services immediately.
Ingestion	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist. If symptoms persist, call a physician.
Most important symptoms (acute)	Causes skin irritation. Eye irritation. Respiratory irritation. May cause drowsiness or dizziness. Harmful or fatal if swallowed and enters the airways.
Most important symptoms (over-exposure)	May cause cancer. May damage fertility. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry Chemical, Carbon Dioxide, Foam or Water Fog. Use water for cooling material stored in vicinity of fire.
Unsuitable extinguishing media	Decomposition by contact with water may generate vapours which can be ignited by heat or open flame.
Specific hazards	Sensitivity to static discharge. Extremely flammable. Keep product and empty container away from heat and sources of ignition.
Special protective equipment for fire-fighters	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	Use with adequate ventilation to keep exposure levels below the OELS. Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.
Methods and materials for containment and cleaning up	Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin, nail, or any other sharp object into opening on top of can. Keep away from open flames, hot surfaces and sources of ignition. Keep away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children. Keep away from direct sunlight. Store locked up. Incompatible with strong acids, alkalis, or oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Calcium Carbonate	15 mg/m ³ TWA 5 mg/m ³ TWA	-	10 mg/m ³ TWA 5 mg/m ³ TWA
Toluene	300 ppm Ceiling 200 ppm TWA	20 ppm TWA	150 ppm STEL 560 mg/m ³ STEL 100 ppm TWA 375 mg/m ³ TWA
Propane/Isobutane/N-Butane	-	-	-
Methyl acetate	200 ppm TWA 610 mg/m ³ TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 760 mg/m ³ STEL 200 ppm TWA 610 mg/m ³ TWA
Acetone	1000 ppm TWA 2400 mg/m ³ TWA	500 ppm STEL 250 ppm TWA	250 ppm TWA 590 mg/m ³ TWA
Xylenes (o-, m-, p- isomers)	100 ppm TWA 435 mg/m ³ TWA	150 ppm STEL 100 ppm TWA	-
Petroleum Distillates	-	-	-

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Methanol	200 ppm TWA 260 mg/m ³ TWA	250 ppm STEL 200 ppm TWA Skin	250 ppm STEL 325 mg/m ³ STEL 200 ppm TWA 260 mg/m ³ TWA
Carbon Black	3.5 mg/m ³ TWA	3 mg/m ³ TWA	3.5 mg/m ³ TWA 0.1 mg/m ³ TWA
Quartz (Crystalline Silica)	50 µg/m ³ TWA 50 µg/m ³ TWA	0.025 mg/m ³ TWA	0.05 mg/m ³ TWA
Naphthalene	10 ppm TWA 50 mg/m ³ TWA	10 ppm TWA Skin	15 ppm STEL 75 mg/m ³ STEL 10 ppm TWA 50 mg/m ³ TWA
Ethylbenzene	100 ppm TWA 435 mg/m ³ TWA	20 ppm TWA	125 ppm STEL 545 mg/m ³ STEL 100 ppm TWA 435 mg/m ³ TWA
Benzene	25 ppm Ceiling 5 ppm STEL (see 29 CFR 1910.1028) 10 ppm TWA 1 ppm TWA	2.5 ppm STEL 0.5 ppm TWA Skin	1 ppm STEL 0.1 ppm TWA

Appropriate engineering controls

Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Eye protection

Safety glasses with side-shields.

Skin and body protection

Chemical resistant apron. Chemical resistant gloves. The following gloves are recommended for prolonged or repeated contact: Butyl rubber gloves. Nitrile gloves.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended. Wear a NIOSH approved organic vapor respirator. Positive-pressure supplied air respirators may be required for high airborne contaminant concentration. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Calcium Carbonate	10 mg/m ³ TWA	20 mg/m ³ STEL 10 mg/m ³ TWA 3 mg/m ³ TWA	-	10 mg/m ³ TWA	-	-	-	-	10 mg/m ³ TWA EV	20 mg/m ³ STEL 10 mg/m ³ TWA
Toluene	50 ppm TWA 188 mg/m ³ TWA	20 ppm TWA	20 ppm TWA	50 ppm TWA 188 mg/m ³ TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	50 ppm TWA EV 188 mg/m ³ TWA EV	60 ppm STEL 50 ppm TWA
Propane/Isobutane/N-Butane	-	-	-	-	-	-	-	-	-	-
Methyl acetate	250 ppm	250 ppm	200 ppm	250 ppm	250 ppm	250 ppm	250 ppm	250 ppm	250 ppm	250 ppm

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland and Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
	STEL 757 mg/m ³ STEL 200 ppm TWA 606 mg/m ³ TWA	STEL 200 ppm TWA	TWA 250 ppm STEL	STEL 757 mg/m ³ STEL 200 ppm TWA 606 mg/m ³ TWA	STEL 200 ppm TWA	STEL 200 ppm TWA	STEL 200 ppm TWA	STEL 200 ppm TWA	STEV 757 mg/m ³ STEV 200 ppm TWA 606 mg/m ³ TWA	STEL 200 ppm TWA
Acetone	750 ppm STEL 1800 mg/m ³ STEL 500 ppm TWA 1200 mg/m ³ TWA	500 ppm STEL 250 ppm TWA	250 ppm TWA 500 ppm STEL	750 ppm STEL 1782 mg/m ³ STEL 500 ppm TWA 1188 mg/m ³ TWA	500 ppm STEL 250 ppm TWA	500 ppm STEL 250 ppm TWA	500 ppm STEL 250 ppm TWA	500 ppm STEL 250 ppm TWA	1000 ppm STEV 2380 mg/m ³ STEV 500 ppm TWA 1190 mg/m ³ TWA	750 ppm STEL 500 ppm TWA
Xylenes (o-, m-, p-isomers)	150 ppm STEL 651 mg/m ³ STEL 100 ppm TWA 434 mg/m ³ TWA	150 ppm STEL 100 ppm TWA	100 ppm TWA 150 ppm STEL	150 ppm STEL 651 mg/m ³ STEL 100 ppm TWA 434 mg/m ³ TWA	150 ppm STEL 100 ppm TWA	150 ppm STEL 100 ppm TWA	150 ppm STEL 100 ppm TWA	150 ppm STEL 100 ppm TWA	150 ppm STEV 651 mg/m ³ STEV 100 ppm TWA 434 mg/m ³ TWA	150 ppm STEL 100 ppm TWA
Petroleum Distillates	-	-	-	-	-	-	-	-	-	-
Methanol	250 ppm STEL 328 mg/m ³ STEL 200 ppm TWA 262 mg/m ³ TWA	250 ppm STEL 200 ppm TWA	200 ppm TWA 250 ppm STEL	250 ppm STEL 328 mg/m ³ STEL 200 ppm TWA 262 mg/m ³ TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 200 ppm TWA	250 ppm STEV 328 mg/m ³ STEV 200 ppm TWA 262 mg/m ³ TWA	250 ppm STEL 200 ppm TWA
Carbon Black	3.5 mg/m ³ TWA	3 mg/m ³ TWA	3 mg/m ³ TWA	3.5 mg/m ³ TWA	3 mg/m ³ TWA	3 mg/m ³ TWA	3 mg/m ³ TWA	3 mg/m ³ TWA	3.5 mg/m ³ TWA	7 mg/m ³ STEL 3.5 mg/m ³ TWA
Quartz (Crystalline Silica)	0.025 mg/m ³ TWA	0.025 mg/m ³ TWA	0.025 mg/m ³ TWA	0.1 mg/m ³ TWA	0.025 mg/m ³ TWA	0.025 mg/m ³ TWA	0.10 mg/m ³ TWA	0.025 mg/m ³ TWA	0.1 mg/m ³ TWA	0.05 mg/m ³ TWA
Naphthalene	15 ppm STEL 79 mg/m ³ STEL 10 ppm TWA 52 mg/m ³ TWA	10 ppm TWA	10 ppm TWA	15 ppm STEL 79 mg/m ³ STEL 10 ppm TWA 52 mg/m ³ TWA	10 ppm TWA	10 ppm TWA	10 ppm TWA	10 ppm TWA	15 ppm STEV 79 mg/m ³ STEV 10 ppm TWA 52 mg/m ³ TWA	15 ppm STEL 0.6 mg/m ³ STEL 10 ppm TWA 0.2 mg/m ³ TWA
Ethylbenzene	125 ppm STEL 543 mg/m ³ STEL 100 ppm TWA 434 mg/m ³ TWA	20 ppm TWA	20 ppm TWA	125 ppm STEL 543 mg/m ³ STEL 100 ppm TWA 434 mg/m ³ TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	125 ppm STEV 543 mg/m ³ STEV 100 ppm TWA 434 mg/m ³ TWA	125 ppm STEL 100 ppm TWA
Benzene	2.5 ppm STEL 8 mg/m ³ STEL 0.5 ppm TWA 1.6 mg/m ³ TWA	2.5 ppm STEL 0.5 ppm TWA	0.5 ppm TWA 2.5 ppm STEL	2.5 ppm STEL 8 mg/m ³ STEL 0.5 ppm TWA 1.6 mg/m ³ TWA	2.5 ppm STEL 0.5 ppm TWA	2.5 ppm STEL 0.5 ppm TWA	2.5 ppm STEL 0.5 ppm TWA 0.5 ppm TWA	2.5 ppm STEL 0.5 ppm TWA	5 ppm STEV 15.5 mg/m ³ STEV 1 ppm TWA 3 mg/m ³ TWA	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Color	Opaque, Black
Odor	Solvent
Odor threshold	Not available
pH	Not available
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	Not available
Boiling point/range °F	Not available
Flash point °C	-104
Flash point °F	-156
Flash point method used	based on propellant
Evaporation rate	Not available
Flammability (Solid, Gas)	Not applicable
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.143
Solubility	Practically insoluble
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Not available
Autoignition temperature °F	Not available
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity	Not available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Avoid extreme temperatures. Avoid direct sunlight.
Incompatible materials	Incompatible with strong acids, alkalis, or oxidizing agents.
Hazardous decomposition products	carbon oxides. Hydrocarbons. Fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Dermal. Inhalation. Ingestion. Eyes.

Symptoms May cause dizziness and drowsiness. May cause irritation of respiratory tract. Irritating to eyes and skin. Avoid contact with eyes. Avoid contact with skin. May be harmful if swallowed and enters airways. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal. Symptoms of overexposure may be headache, tiredness, nausea, and vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Product is or contains a chemical which is a known or suspected reproductive hazard. May cause drowsiness and dizziness. May cause respiratory irritation. May cause adverse liver effects. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Target Organ Effects: Central Nervous System (CNS), Eyes, Respiratory System, Skin. Kidney. Liver. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Calcium Carbonate	-	-	-
Toluene	= 12.5 mg/L (Rat) 4 h	= 12000 mg/kg (Rabbit)	= 2600 mg/kg (Rat)
Propane/Isobutane/N-Butane	-	-	-
Methyl acetate	> 49000 mg/m ³ (Rat) 4 h	> 5 g/kg (Rabbit)	> 5 g/kg (Rat)
Acetone	= 50100 mg/m ³ (Rat) 8 h	> 15700 mg/kg (Rabbit)	= 5800 mg/kg (Rat)
Xylenes (o-, m-, p- isomers)	= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h > 5.04 mg/L (Rat) 4 h	> 1700 mg/kg (Rabbit) > 4350 mg/kg (Rabbit) > 2000 mg/kg (Rabbit)	= 3500 mg/kg (Rat) = 4820 mg/kg (Rat)
Petroleum Distillates	-	= 3000 mg/kg (Rabbit)	-
Methanol	= 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h	= 15800 mg/kg (Rabbit) = 15840 mg/kg (Rabbit)	= 6200 mg/kg (Rat)
Carbon Black	-	> 3 g/kg (Rabbit)	> 15400 mg/kg (Rat)
Quartz (Crystalline Silica)	-	-	-
Naphthalene	> 340 mg/m ³ (Rat) 1 h	= 1120 mg/kg (Rabbit) > 20 g/kg (Rabbit)	= 1110 mg/kg (Rat) = 490 mg/kg (Rat)
Ethylbenzene	= 17.4 mg/L (Rat) 4 h > 5.04 mg/L (Rat) 4 h	= 15400 mg/kg (Rabbit) > 2000 mg/kg (Rabbit)	= 3500 mg/kg (Rat) = 4820 mg/kg (Rat)
Benzene	= 44.66 mg/L (Rat) 4 h	> 8200 mg/kg (Rabbit)	= 1800 mg/kg (Rat) = 810 mg/kg (Rat)

ATEmix (dermal)	7160 mg/kg
ATEmix (oral)	8066 mg/kg
ATEmix (inhalation-gas)	Not available
ATEmix (inhalation-vapor)	49975 mg/l
ATEmix (inhalation-dust/mist)	58.5 mg/l

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Calcium Carbonate	-	-	-	-
Toluene	A4	Group 3	-	-
Propane/Isobutane/N-Butane	-	-	-	-
Methyl acetate	-	-	-	-
Acetone	A4	-	-	-
Xylenes (o-, m-, p- isomers)	A4	Group 3	-	-
Petroleum Distillates	-	-	-	-
Methanol	-	-	-	-
Carbon Black	A3	Group 2B	Listed	-
Quartz (Crystalline Silica)	A2	Group 1	Listed	Known Carcinogen
Naphthalene	A3	Group 2A Group 2B	Listed	Reasonably Anticipated Carcinogen
Ethylbenzene	A3	Group 2B	Listed	-
Benzene	A1	Group 1	Listed	Known Carcinogen

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Calcium Carbonate	-	-	-	-	-	-
Toluene	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Propane/Isobutane/N-Butane	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-
Acetone	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Xylenes (o-, m-, p- isomers)	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Petroleum Distillates	-	-	-	-	-	-
Methanol	-	-	-	-	-	-
Carbon Black	-	IARC 2B	ACGIH A3	ACGIH A4	ACGIH A3	-
Quartz (Crystalline Silica)	A2 - Suspected Human Carcinogen	ACGIH A2 IARC 1	ACGIH A2	-	ACGIH A2	C2 carcinogen
Naphthalene	-	IARC 2B	ACGIH A3	ACGIH A4	ACGIH A3	-
Ethylbenzene	-	IARC 2B	ACGIH A3	-	ACGIH A3	-
Benzene	A1 - Confirmed Human Carcinogen	ACGIH A1 IARC 1	ACGIH A1	ACGIH A1	ACGIH A1	C1 carcinogen

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Calcium Carbonate	-	-
Toluene	433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 54: 96 h Oryzias latipes mg/L LC50 static 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static
Propane/Isobutane/N-Butane	-	-
Methyl acetate	120: 72 h Desmodesmus subspicatus mg/L EC50	295 - 348: 96 h Pimephales promelas mg/L LC50 flow-through 250 - 350: 96 h Brachydanio rerio mg/L LC50 static
Acetone	-	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50
Xylenes (o-, m-, p-isomers)	11: 72 h Pseudokirchneriella subcapitata mg/L EC50	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 19: 96 h Lepomis macrochirus mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static
Petroleum Distillates	4700: 72 h Pseudokirchneriella subcapitata mg/L EC50	-
Methanol	-	28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through
Carbon Black	-	-
Quartz (Crystalline Silica)	-	-
Naphthalene	0.4: 72 h Skeletonema costatum mg/L EC50	1.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.91 - 2.82: 96 h Oncorhynchus mykiss mg/L LC50 static 1.99: 96 h Pimephales promelas mg/L LC50 static 5.74 - 6.44: 96 h Pimephales promelas mg/L LC50 flow-through 31.0265: 96 h Lepomis macrochirus mg/L LC50 static
Ethylbenzene	4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L	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 9.6: 96 h Poecilia reticulata mg/L LC50 static 32: 96 h Lepomis macrochirus

Chemical name	Algae/aquatic plants	Fish
	EC50 static 11: 72 h Pseudokirchneriella subcapitata mg/L EC50	mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static
Benzene	29: 72 h Pseudokirchneriella subcapitata mg/L EC50	10.7 - 14.7: 96 h Pimephales promelas mg/L LC50 flow-through 22.49: 96 h Lepomis macrochirus mg/L LC50 static 5.3: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 22330 - 41160: 96 h Pimephales promelas µg/L LC50 static 70000 - 142000: 96 h Lepomis macrochirus µg/L LC50 static 28.6: 96 h Poecilia reticulata mg/L LC50 static

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Calcium Carbonate 1317-65-3	1317-65-3	-
Toluene 108-88-3	108-88-3	2.7
Propane/Isobutane/N-Butane 68476-86-8	68476-86-8	<=2.8
Methyl acetate 79-20-9	79-20-9	0.18
Acetone 67-64-1	67-64-1	-0.24
Xylenes (o-, m-, p- isomers) 1330-20-7	1330-20-7	2.77 - 3.15
Petroleum Distillates 64742-89-8	64742-89-8	-
Methanol 67-56-1	67-56-1	-0.77
Carbon Black 1333-86-4	1333-86-4	-
Quartz (Crystalline Silica) 14808-60-7	14808-60-7	-
Naphthalene 91-20-3	91-20-3	3.6
Ethylbenzene 100-41-4	100-41-4	3.2
Benzene 71-43-2	71-43-2	2.1

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261). It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Contaminated packaging Do not reuse containers.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No UN1950
 Proper shipping name Aerosols
 Hazard Class(es) 2.1
 Subsidiary Risk
 Packing group
 Special Provisions LTD QTY

TDG

ID-No UN1950
 Proper shipping name Aerosols
 Hazard Class(es) 2.1
 Packing group
 Special Provisions LTD QTY

IATA

ID-No UN1950
 Proper shipping name Aerosols, flammable
 Hazard Class(es) 2.1
 Subsidiary Risk
 Packing group
 Special Provisions LTD QTY

IMDG/IMO

ID-No UN1950
 Proper shipping name Aerosols
 Hazard Class(es) 2.1
 Packing group
 EmS No F-D, S-U
 Special Provisions LTD QTY

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Calcium Carbonate	1317-65-3	-	-	-
Toluene	108-88-3	-	-	-
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
Methyl acetate	79-20-9	-	-	-
Acetone	67-64-1	-	-	-
Xylenes (o-, m-, p- isomers)	1330-20-7	-	-	-
Petroleum Distillates	64742-89-8	-	-	-
Methanol	67-56-1	-	-	-
Carbon Black	1333-86-4	-	-	-
Quartz (Crystalline Silica)	14808-60-7	-	-	-
Naphthalene	91-20-3	X	X	X X
Ethylbenzene	100-41-4	-	-	-
Benzene	71-43-2	-	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and

compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Calcium Carbonate	1317-65-3	X	X	X
Toluene	108-88-3	X	X	X
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
Methyl acetate	79-20-9	X	X	X
Acetone	67-64-1	X	X	X
Xylenes (o-, m-, p- isomers)	1330-20-7	X	X	X
Petroleum Distillates	64742-89-8	-	-	-
Methanol	67-56-1	X	X	X
Carbon Black	1333-86-4	X	X	X
Quartz (Crystalline Silica)	14808-60-7	X	X	X
Naphthalene	91-20-3	X	X	X
Ethylbenzene	100-41-4	X	X	X
Benzene	71-43-2	X	X	X

California Prop. 65

WARNING: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

Chemical name	CAS-No	California Prop. 65
Calcium Carbonate	1317-65-3	-
Toluene	108-88-3	Developmental
Propane/Isobutane/N-Butane	68476-86-8	-
Methyl acetate	79-20-9	-
Acetone	67-64-1	-
Xylenes (o-, m-, p- isomers)	1330-20-7	-
Petroleum Distillates	64742-89-8	-
Methanol	67-56-1	Developmental
Carbon Black	1333-86-4	Carcinogen
Quartz (Crystalline Silica)	14808-60-7	Carcinogen
Naphthalene	91-20-3	Carcinogen
Ethylbenzene	100-41-4	Carcinogen
Benzene	71-43-2	Carcinogen Developmental Male Reproductive

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Calcium Carbonate	1317-65-3	-	-
Toluene	108-88-3	1000 lb 454 kg 1 lb 0.454 kg	1.0 %
Propane/Isobutane/N-Butane	68476-86-8	-	-
Methyl acetate	79-20-9	-	-
Acetone	67-64-1	5000 lb 2270 kg	-
Xylenes (o-, m-, p- isomers)	1330-20-7	100 lb 45.4 kg	1.0 %
Petroleum Distillates	64742-89-8	-	-
Methanol	67-56-1	5000 lb 2270 kg	1.0 %
Carbon Black	1333-86-4	-	-
Quartz (Crystalline Silica)	14808-60-7	-	-
Naphthalene	91-20-3	100 lb 45.4 kg 1 lb 0.454 kg	0.1 %
Ethylbenzene	100-41-4	1000 lb 454 kg	0.1 %
Benzene	71-43-2	10 lb 4.54 kg	0.1 %

US EPA SARA 311/312 hazardous categorization

Chronic Health Hazard
Acute Health Hazard
Fire Hazard
Sudden Release of Pressure Hazard

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Calcium Carbonate	X	X	-
Toluene	X	X	-
Propane/Isobutane/N-Butane	X	X	-
Methyl acetate	X	X	-
Acetone	X	X	-
Xylenes (o-, m-, p- isomers)	X	X	-
Petroleum Distillates	X	X	-
Methanol	X	X	-
Carbon Black	X	X	-
Quartz (Crystalline Silica)	X	X	-
Naphthalene	X	X	-
Ethylbenzene	X	X	-
Benzene	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health

2

Flammability	4
Instability	0

HMIS

Health	2 *
Flammability	4
Physical hazards	1
Personal protection	B

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDL (Domestic Substance List/Non-Domestic Substance List)
HMIS (Hazardous Materials Identification System)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
NFPA (National Fire Protection Association)
NTP (National Toxicology Program)
OEL (Occupational Exposure Level)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
TSCA (Toxic Substance Control Act)
USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet