
Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

CCW-525V

Synonyms

Vertical Grade Polyurethane Waterproofing

Chemical Family

polyurethane formulations

Product Use

waterproofing membrane.

Restrictions on Use

For industrial use only.

Manufacturer Information

Carlisle Coatings and Waterproofing, Inc.

900 Hensley Lane

Wylie, TX 75098

www.carlisleccw.com

Phone Numbers:

Medical Emergency

CHEMTREC (USA): 800-424-9300

MSDS Assistance; 972-442-6545

Technical Assistance: 888-229-2199

Customer Service: 888-229-0199

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Flammable Liquids - Category 4

Acute Toxicity - Dermal - Category 4

Skin Corrosion/Irritation - Category 2

Carcinogenicity - Category 1A

Reproductive Toxicity - Category 1B

Specific Target Organ Toxicity - Single Exposure - Category 2 (liver, kidneys, thymus)

Specific Target Organ Toxicity - Single Exposure - Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 1 (lungs,blood,eyes)

GHS Label Elements

Symbol(s)



Signal Word

Danger

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Hazard Statement(s)

Combustible liquid
Harmful in contact with skin
Causes skin irritation
May cause cancer
May damage fertility or the unborn child
May cause damage to organs
May cause respiratory irritation. May cause drowsiness or dizziness
Causes damage to organs through prolonged or repeated exposure

Precautionary Statement(s)

Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Keep away from heat/sparks/open flame/hot surfaces - No smoking
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapours/spray
Wash thoroughly after handling
Do not eat, drink or smoke when using this product

Response

In case of fire: Use appropriate media to extinguish
If exposed or concerned: Call a POISON CENTER or doctor/physician
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
Specific treatment (see label)

Storage

Store in a well-ventilated place. Keep container tightly closed
Keep cool
Store locked up

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations

Statement of Unknown Toxicity

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

Other Hazards

No additional information available.

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Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
Trade Secret	Extracts, petroleum, heavy paraffinic distillate solvent	10-30
7704-34-9	Sulfur	0.1-1
64742-47-8	Petroleum distillates, hydrotreated light	0.1-1
Mixture	Ceramic microspheres	1-5
14808-60-7	Silica, crystalline	0.1-1
14807-96-6	Talc	5-10
Mixture	Ground coal	3-7
Trade Secret	Kaolinite	1-5
1317-65-3	Limestone	1-5
64742-94-5	Solvent naphtha, petroleum, heavy aromatic	10-30
91-20-3	Naphthalene	1-5
95-63-6	1,2,4-Trimethylbenzene	0.1-1
872-50-4	1-Methyl-2-pyrrolidone	0.1-1
108-65-6	2-Methoxy-1-methylethyl acetate	0.1-1
8052-42-4	Asphalt	0-14
64742-93-4	Asphalt, oxidized	0-14
68955-27-1	Distillates, petroleum, petroleum residues vacuum	0-14
64741-56-6	Residues, petroleum, vacuum	0-14

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

If exposed or concerned: Call a POISON CENTER or doctor/physician.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Skin

Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs, seek medical advice/attention.

Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

If swallowed, get medical attention. Do NOT induce vomiting.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Most Important Symptoms/Effects

Acute

Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to the kidneys, liver, thymus.

Delayed

May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure: lungs, blood, eyes.

Note to Physicians

Contains ASPHALT.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Dry chemical, foam or carbon dioxide.

Unsuitable Extinguishing Media

Do not use water.

Special Hazards Arising from the Chemical

Combustible liquid. Sealed containers may rupture or explode if exposed to heat.

Hazardous Combustion Products

Oxides of carbon, oxides of nitrogen, hydrogen cyanide, hydrocarbons

Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Evacuate area. Eliminate all ignition sources if safe to do so. Absorb with earth, sand or other non-combustible material and transfer to container. Dispose in accordance with all applicable regulations.

Environmental Precautions

Avoid release to the environment.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

This product contains crystalline silica, which is a known carcinogen. Do not grind or sand. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flame/hot surfaces - No smoking. Use only outdoors or in a well-ventilated area. Avoid contact with eyes, skin and clothing. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapours/spray. Wear respiratory protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. KEEP OUT OF REACH OF CHILDREN.

Conditions for Safe Storage, Including any Incompatibilities

Store in a well-ventilated place. Keep container tightly closed

Keep cool

Store locked up

Store below 90 F. Protect from sunlight. Keep away from heat and ignition sources. Keep away from incompatible materials.

Incompatible Materials

strong acids, strong bases, strong oxidizing agents

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Silica, crystalline	14808-60-7
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ACGIH:	0.025 mg/m ³ TWA respirable fraction
NIOSH:	0.05 mg/m ³ TWA respirable dust
	50 mg/m ³ IDLH respirable dust
OSHA (US):	((30)/(%SiO ₂ + 2) mg/m ³ TWA) total dust; ((250)/(%SiO ₂ + 5) mppcf TWA) respirable fraction; ((10)/(%SiO ₂ + 2) mg/m ³ TWA) respirable fraction
Mexico:	0.1 mg/m ³ TWA LMPE-PPT respirable fraction
Talc	14807-96-6
ACGIH:	2 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica, respirable fraction
NIOSH:	2 mg/m ³ TWA (containing no Asbestos and <1% Quartz) respirable dust
	1000 mg/m ³ IDLH (containing no Asbestos and <1% Quartz)
OSHA (US):	20 mppcf TWA (if 1% Quartz or more, use Quartz limit)
Mexico:	2 mg/m ³ TWA LMPE-PPT respirable fraction
Limestone	1317-65-3
NIOSH:	10 mg/m ³ TWA total dust; 5 mg/m ³ TWA respirable dust
OSHA (US):	15 mg/m ³ TWA total dust; 5 mg/m ³ TWA respirable fraction
Mexico:	10 mg/m ³ TWA LMPE-PPT
	20 mg/m ³ STEL [LMPE-CT]
Butylated hydroxytoluene	128-37-0
ACGIH:	2 mg/m ³ TWA inhalable fraction and vapor
NIOSH:	10 mg/m ³ TWA
Mexico:	10 mg/m ³ TWA LMPE-PPT
	20 mg/m ³ STEL [LMPE-CT]
Naphthalene	91-20-3
ACGIH:	10 ppm TWA
	Skin - potential significant contribution to overall exposure by the cutaneous route
NIOSH:	10 ppm TWA; 50 mg/m ³ TWA
	15 ppm STEL; 75 mg/m ³ STEL

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	250 ppm IDLH
Europe:	10 ppm TWA; 50 mg/m3 TWA
OSHA (US):	10 ppm TWA; 50 mg/m3 TWA
Mexico:	10 ppm TWA LMPE-PPT; 50 mg/m3 TWA LMPE-PPT
	15 ppm STEL [LMPE-CT]; 75 mg/m3 STEL [LMPE-CT]
1,2,4-Trimethylbenzene	95-63-6
NIOSH:	25 ppm TWA; 125 mg/m3 TWA
Europe:	20 ppm TWA; 100 mg/m3 TWA
Toluene-2,4-diisocyanate	584-84-9
ACGIH:	0.005 ppm TWA
	0.02 ppm STEL
NIOSH:	2.5 ppm IDLH
OSHA (US):	0.02 ppm Ceiling; 0.14 mg/m3 Ceiling
Mexico:	0.02 ppm TWA LMPE-PPT; 0.14 mg/m3 TWA LMPE-PPT
Toluene 2,6-diisocyanate	91-08-7
ACGIH:	0.005 ppm TWA
	0.02 ppm STEL
1-Methyl-2-pyrrolidone	872-50-4
Europe:	10 ppm TWA; 40 mg/m3 TWA
	20 ppm STEL; 80 mg/m3 STEL
	Possibility of significant uptake through the skin
4,4'-Methylenedianiline	101-77-9
ACGIH:	0.1 ppm TWA
	Skin - potential significant contribution to overall exposure by the cutaneous route
OSHA (US):	100 ppb STEL (see 29 CFR 1910.1050) 15 min; 5 ppb Action Level (see 29 CFR 1910.1050); 10 ppb TWA (see 29 CFR 1910.1050)
2-Methoxy-1-methylethyl acetate	108-65-6

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Europe:	50 ppm TWA; 275 mg/m ³ TWA
	Possibility of significant uptake through the skin
	100 ppm STEL; 550 mg/m ³ STEL
4,4'-Methylenediphenyl diisocyanate	101-68-8
ACGIH:	0.005 ppm TWA
NIOSH:	0.005 ppm TWA; 0.05 mg/m ³ TWA
	0.02 ppm Ceiling 10 min; 0.2 mg/m ³ Ceiling 10 min
	75 mg/m ³ IDLH
OSHA (US):	0.02 ppm Ceiling; 0.2 mg/m ³ Ceiling
Asphalt	8052-42-4
ACGIH:	0.5 mg/m ³ TWA as benzene soluble aerosol fume, inhalable fraction
NIOSH:	5 mg/m ³ Ceiling fume 15 min
Mexico:	5 mg/m ³ TWA LMPE-PPT
	10 mg/m ³ STEL [LMPE-CT]
Hydrogen sulfide	7783-06-4
ACGIH:	1 ppm TWA
	5 ppm STEL
NIOSH:	10 ppm Ceiling 10 min; 15 mg/m ³ Ceiling 10 min
	100 ppm IDLH
Europe:	5 ppm TWA; 7 mg/m ³ TWA
	10 ppm STEL; 14 mg/m ³ STEL
OSHA (US):	20 ppm Ceiling
Mexico:	10 ppm TWA LMPE-PPT; 14 mg/m ³ TWA LMPE-PPT
	15 ppm STEL [LMPE-CT]; 21 mg/m ³ STEL [LMPE-CT]

Biological limit value

There are no biological limit values for any of this product's components.

Engineering Controls

Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

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Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear safety glasses or safety goggles, with a faceshield, as appropriate.

Skin Protection

Wear appropriate work clothing.

Respiratory Protection

Appropriate respirator selection should be made by a qualified professional as part of a comprehensive respiratory protection program as described in 29 CFR 1910.134.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black viscous liquid	Physical State	liquid
Odor	hydrocarbon odor	Color	Black
Odor Threshold	Not available	pH	Not available
Melting Point	Not available	Boiling Point	185 °C
Freezing point	Not available	Evaporation Rate	Not available
Boiling Point Range	Not available	Flammability (solid, gas)	Not available
Autoignition	Not available	Flash Point	150 °F
Lower Explosive Limit	Not available	Decomposition	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	>1	Specific Gravity (water=1)	Not available
Water Solubility	Negligible	Partition coefficient: n-octanol/water	Not available
Viscosity	Not available	Solubility (Other)	Polar solvents
Density	9.952 lbs/gal	VOC	235 g/L

Other Information

No additional information available.

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with water or incompatible materials.

Incompatible Materials

strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products

Oxides of carbon, oxides of nitrogen, hydrogen cyanide, hydrocarbons

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure**Inhalation**

May cause respiratory irritation. May cause drowsiness or dizziness.

Skin Contact

Harmful in contact with skin. Cause skin irritation.

Eye Contact

Causes serious eye irritation.

Ingestion

May cause central nervous system depression.

Acute and Chronic Toxicity**Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Extracts, petroleum, heavy paraffinic distillate solvent (Trade Secret)

Oral LD50 Rat >5 g/kg

Dermal LD50 Rabbit >2000 mg/kg

Sulfur (7704-34-9)

Oral LD50 Rat >3000 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

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Inhalation LC50 Rat >9.23 mg/L 4 h
Glycerin initiated polyether polyol (Trade Secret)
Oral LD50 Rat >2000 mg/kg
Dermal LD50 Rabbit >2000 mg/kg
Polyalkylene glycol (Mixture)
Oral LD50 Rat >4000 mg/kg
Dermal LD50 Rabbit >10000 mg/kg
Inhalation LC50 Rat 320 mg/m³ 4 h
Petroleum distillates, hydrotreated light (64742-47-8)
Oral LD50 Rat >5000 mg/kg
Dermal LD50 Rabbit >2000 mg/kg
Inhalation LC50 Rat >5.2 mg/L 4 h
Silica, crystalline (14808-60-7)
Oral LD50 Rat 500 mg/kg
Limestone (1317-65-3)
Oral LD50 Rat 6450 mg/kg
Butylated hydroxytoluene (128-37-0)
Oral LD50 Rat >2930 mg/kg
Dermal LD50 Rat >2000 mg/kg
Solvent naphtha, petroleum, heavy aromatic (64742-94-5)
Oral LD50 Rat >5000 mg/kg
Dermal LD50 Rabbit >2 mL/kg
Inhalation LC50 Rat >590 mg/m³ 4 h
Naphthalene (91-20-3)
Oral LD50 Rat 1110 mg/kg
Dermal LD50 Rabbit 1120 mg/kg
Inhalation LC50 Rat >340 mg/m³ 1 h
1,2,4-Trimethylbenzene (95-63-6)
Oral LD50 Rat 3280 mg/kg
Dermal LD50 Rabbit >3160 mg/kg
Inhalation LC50 Rat 18 g/m³ 4 h
Silane mixture (Mixture)
Oral LD50 Rat 7460 µL/kg
Toluene-2,4-diisocyanate (584-84-9)
Oral LD50 Rat 5800 mg/kg
Inhalation LC50 Rat 14 ppm 4 h
Dibutyltin dilaurate (77-58-7)
Oral LD50 Rat 175 mg/kg
Dermal LD50 Rabbit 630 mg/kg
1-Methyl-2-pyrrolidone (872-50-4)
Oral LD50 Rat 3600 mg/kg
Dermal LD50 Rabbit 8 g/kg
Inhalation LC50 Rat 3.1 mg/L 4 h
Lithium chloride (7447-41-8)
Oral LD50 Rat 526 mg/kg
4,4'-Methylenedianiline (101-77-9)
Oral LD50 Rat 264 mg/kg
Dermal LD50 Rabbit >2500 mg/kg

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- Inhalation LC50 Rat >0.85 mg/L 4 h
- 2-Methoxy-1-methylethyl acetate (108-65-6)
 - Oral LD50 Rat 6190 mg/kg
 - Dermal LD50 Rabbit >5 g/kg
 - Inhalation LC50 Rat >4345 ppm 6 hr
- Diphenylmethane diisocyanate (9016-87-9)
 - Oral LD50 Rat >10000 mg/kg
 - Dermal LD50 Rat >9400 mg/kg
 - Inhalation LC50 Rat 490 mg/m³ 4 h
- 4,4'-Methylenediphenyl diisocyanate (101-68-8)
 - Oral LD50 Rat >10000 mg/kg
 - Dermal LD50 Rat >9400 mg/kg
 - Inhalation LC50 Rat 490 mg/m³ 4 h
- Asphalt (8052-42-4)
 - Oral LD50 Rat >5000 mg/kg
 - Dermal LD50 Rabbit >2000 mg/kg
- Asphalt, oxidized (64742-93-4)
 - Oral LD50 Rat >5000 mg/kg
 - Dermal LD50 Rabbit >2000 mg/kg
- Distillates, petroleum, petroleum residues vacuum (68955-27-1)
 - Oral LD50 Rat 4320 mg/kg
 - Dermal LD50 Rabbit >2000 mg/kg
- Residues, petroleum, vacuum (64741-56-6)
 - Oral LD50 Rat 4320 mg/kg
 - Dermal LD50 Rabbit >2000 mg/kg
- Hydrogen sulfide (7783-06-4)
 - Inhalation LC50 Rat 0.99 mg/L 1 h

Immediate Effects

Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to the kidneys, liver, thymus.

Delayed Effects

May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure: lungs, blood, eyes.

Irritation/Corrosivity Data

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Component Carcinogenicity

Petroleum distillates, hydrotreated light	64742-47-8
DFG:	Category 3B (could be carcinogenic for man, isomers in technical mixtures)

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Silica, crystalline	14808-60-7
ACGIH:	A2 - Suspected Human Carcinogen
IARC:	Monograph 100C [2012]; Monograph 68 [1997] (Group 1 (carcinogenic to humans))
NTP:	Known Human Carcinogen (respirable size)
DFG:	Category 1 (causes cancer in man, alveola fraction)
OSHA:	Present (respirable size)
Talc	14807-96-6
ACGIH:	A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers)
IARC:	Monograph 93 [2010] (inhaled); Supplement 7 [1987]; Monograph 42 [1987] (Group 3 (not classifiable))
DFG:	Category 3B (could be carcinogenic for man, free of asbestos fibers)
Butylated hydroxytoluene	128-37-0
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Supplement 7 [1987]; Monograph 40 [1986] (Group 3 (not classifiable))
DFG:	Category 4 (no significant contribution to human cancer)
Naphthalene	91-20-3
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC:	Monograph 82 [2002] (Group 2B (possibly carcinogenic to humans))
NTP:	Reasonably Anticipated To Be A Human Carcinogen
DFG:	Category 2 (considered to be carcinogenic for man)
OSHA:	Present
Toluene-2,4-diisocyanate	584-84-9
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 3A (could be carcinogenic for man)
OSHA:	Present
Toluene 2,6-diisocyanate	91-08-7

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ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 3A (could be carcinogenic for man)
OSHA:	Present
4,4'-Methylenedianiline	101-77-9
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC:	Supplement 7 [1987]; Monograph 39 [1986] (Group 2B (possibly carcinogenic to humans))
NTP:	Reasonably Anticipated To Be A Human Carcinogen
DFG:	Category 2 (considered to be carcinogenic for man)
OSHA:	Present
OSHA:	see 29 CFR 1910.1050
Diphenylmethane diisocyanate	9016-87-9
IARC:	Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))
DFG:	Category 4 (no significant contribution to human cancer)
4,4'-Methylenediphenyl diisocyanate	101-68-8
IARC:	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))
DFG:	Category 4 (no significant contribution to human cancer)
Asphalt	8052-42-4
ACGIH:	A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free)
IARC:	Monograph 103 [2013]; Supplement 7 [1987] (extracts of steam-refined and air-refined); Monograph 35 [1985] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 2 (considered to be carcinogenic for man, aerosol and vapor)
OSHA:	Present
Asphalt, oxidized	64742-93-4

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IARC:	Monograph 103 [2013] (and their emissions during roofing) (Group 2A (probably carcinogenic to humans))
OSHA:	Present
Residues, petroleum, vacuum	64741-56-6
IARC:	Monograph 103 [2013] (Group 2B (possibly carcinogenic to humans))
OSHA:	Present
Polycyclic aromatic hydrocarbons	130498-29-2
NTP:	Reasonably Anticipated To Be A Human Carcinogen
OSHA:	Present

Germ Cell Mutagenicity

No data available.

Tumorigenic Data

No data available

Reproductive Toxicity

May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

liver, kidneys, thymus

Specific Target Organ Toxicity - Repeated Exposure

lungs, blood, eyes

Aspiration hazard

No data available.

Medical Conditions Aggravated by Exposure

No data available.

Additional Data

No additional information available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Avoid release to the environment.

Component Analysis - Aquatic Toxicity

Extracts, petroleum, heavy paraffinic distillate solvent	Trade Secret
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Invertebrate:	EC50 48 h Daphnia magna 1.4 mg/L IUCLID
Sulfur	7704-34-9
Fish:	LC50 96 h Brachydanio rerio 866 mg/L [static]; LC50 96 h Lepomis macrochirus <14 mg/L [static]; LC50 96 h Oncorhynchus mykiss >180 mg/L [static]
Petroleum distillates, hydrotreated light	64742-47-8
Fish:	LC50 96 h Pimephales promelas 45 mg/L [flow-through]; LC50 96 h Lepomis macrochirus 2.2 mg/L [static]; LC50 96 h Oncorhynchus mykiss 2.4 mg/L [static]; LC50 96 hr Lepomis macrochirus 1740 mg/L
Invertebrate:	EC50 96 hr Daphnia magna 4720 mg/L
Talc	14807-96-6
Fish:	LC50 96 h Brachydanio rerio >100 g/L [semi-static]
Butylated hydroxytoluene	128-37-0
Fish:	LC50 96 hr Brachydanio rerio >0.57 mg/L
Algae:	EC50 72 h Pseudokirchneriella subcapitata 6 mg/L IUCLID; EC50 72 h Desmodesmus subspicatus >0.42 mg/L IUCLID
Invertebrate:	EC50 48 hr Daphnia magna >0.17 mg/L
Solvent naphtha, petroleum, heavy aromatic	64742-94-5
Fish:	LC50 96 h Pimephales promelas 19 mg/L [static]; LC50 96 h Oncorhynchus mykiss 2.34 mg/L; LC50 96 h Lepomis macrochirus 1740 mg/L [static]; LC50 96 h Pimephales promelas 45 mg/L [flow-through]; LC50 96 h Pimephales promelas 41 mg/L
Invertebrate:	EC50 48 h Daphnia magna 0.95 mg/L IUCLID
Naphthalene	91-20-3
Fish:	LC50 96 h Pimephales promelas 5.74 - 6.44 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 1.6 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 0.91 - 2.82 mg/L [static]; LC50 96 h Pimephales promelas 1.99 mg/L [static]; LC50 96 h Lepomis macrochirus 31.0265 mg/L [static]
Invertebrate:	LC50 48 h Daphnia magna 2.16 mg/L IUCLID; EC50 48 h Daphnia magna 1.96 mg/L [Flow through] EPA; EC50 48 h Daphnia magna 1.09 - 3.4 mg/L [static] EPA

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1,2,4-Trimethylbenzene	95-63-6
Fish:	LC50 96 h Pimephales promelas 7.19 - 8.28 mg/L [flow-through]
Invertebrate:	EC50 48 h Daphnia magna 6.14 mg/L IUCLID
1-Methyl-2-pyrrolidone	872-50-4
Fish:	LC50 96 h Lepomis macrochirus 832 mg/L [static]; LC50 96 h Pimephales promelas 1072 mg/L [static]; LC50 96 h Poecilia reticulata 1400 mg/L [static]
Algae:	EC50 72 h Desmodesmus subspicatus >500 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 4897 mg/L IUCLID
4,4'-Methylenedianiline	101-77-9
Fish:	LC50 96 h Brachydanio rerio 42 mg/L [static]; LC50 96 hr Oryzias latipes 20.6 mg/L [semi-static]
Algae:	EC50 72 h Desmodesmus subspicatus 21 mg/L IUCLID
2-Methoxy-1-methylethyl acetate	108-65-6
Fish:	LC50 96 h Pimephales promelas 161 mg/L [static]
Invertebrate:	EC50 48 h Daphnia magna >500 mg/L IUCLID
Asphalt, oxidized	64742-93-4
Algae:	EC50 72 h Pseudokirchneriella subcapitata 56 mg/L IUCLID
Distillates, petroleum, petroleum residues vacuum	68955-27-1
Fish:	LC50 96 h Brachydanio rerio 48 mg/L [semi-static]
Residues, petroleum, vacuum	64741-56-6
Fish:	LC50 96 h Brachydanio rerio 48 mg/L [semi-static]
Hydrogen sulfide	7783-06-4
Fish:	LC50 96 h Lepomis macrochirus 0.0448 mg/L [flow-through]; LC50 96 h Pimephales promelas 0.016 mg/L [flow-through]

Persistence and Degradability

No information available for the product.

Bioaccumulative Potential

No information available for the product.

Mobility

No information available for the product.

Other Toxicity

No additional information available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:

Shipping Name: Combustible liquid, n.o.s.

Hazard Class: Combustible liquid

UN/NA #: NA1993

Packing Group: III

Required Label(s): None

Additional information: Special Provisions (172.102): IB3, T1, T4, TP1

IATA Information:

Not Regulated

IMDG Information:

Not Regulated

TDG Information:

Not Regulated

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Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Naphthalene	91-20-3
SARA 313:	0.1 % de minimis concentration
CERCLA:	100 lb final RQ; 45.4 kg final RQ
1,2,4-Trimethylbenzene	95-63-6
SARA 313:	1 % de minimis concentration
Toluene-2,4-diisocyanate	584-84-9
SARA 302:	500 lb TPQ
SARA 313:	0.1 % de minimis concentration
CERCLA:	100 lb final RQ; 45.4 kg final RQ
TSCA 12b:	Section 5 , 0.1 % de minimus concentration
SARA 304:	100 lb EPCRA RQ
Toluene 2,6-diisocyanate	91-08-7
SARA 302:	100 lb TPQ
SARA 313:	0.1 % de minimis concentration
CERCLA:	100 lb final RQ; 45.4 kg final RQ
TSCA 12b:	Section 5 , 0.1 % de minimus concentration
SARA 304:	100 lb EPCRA RQ
1-Methyl-2-pyrrolidone	872-50-4
SARA 313:	1 % de minimis concentration
4,4'-Methylenedianiline	101-77-9
SARA 313:	0.1 % de minimis concentration
CERCLA:	10 lb final RQ; 4.54 kg final RQ
Diphenylmethane diisocyanate	9016-87-9

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SARA 313:	1 % de minimis concentration
4,4'-Methylenediphenyl diisocyanate	101-68-8
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ; 2270 kg final RQ
Hydrogen sulfide	7783-06-4
SARA 302:	500 lb TPQ
SARA 313:	1 % de minimis concentration
CERCLA:	100 lb final RQ; 45.4 kg final RQ
OSHA (safety):	1500 lb TQ
SARA 304:	100 lb EPCRA RQ

SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: No Reactivity: No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Extracts, petroleum, heavy paraffinic distillate solvent	Trade Secret	No	Yes	No	No	No
Sulfur	7704-34-9	Yes	Yes	No	Yes	Yes
Silica, crystalline	14808-60-7	No	Yes	Yes	Yes	Yes
Talc	14807-96-6	Yes	Yes	Yes	Yes	Yes
Limestone	1317-65-3	No	Yes	Yes	Yes	Yes
Butylated hydroxytoluene	128-37-0	Yes	Yes	Yes	Yes	Yes
Naphthalene	91-20-3	Yes	Yes	Yes	Yes	Yes
1,2,4-Trimethylbenzene	95-63-6	No	Yes	Yes	Yes	Yes
Toluene-2,4-diisocyanate	584-84-9	Yes	Yes	Yes	Yes	Yes
Toluene 2,6-diisocyanate	91-08-7	Yes	Yes	No	Yes	Yes
1-Methyl-2-pyrrolidone	872-50-4	No	Yes	Yes	Yes	Yes
4,4'-Methylenedianiline	101-77-9	Yes	Yes	Yes	Yes	Yes
Diphenylmethane diisocyanate	9016-87-9	No	No	No	Yes	No
4,4'-Methylenediphenyl diisocyanate	101-68-8	Yes	Yes	Yes	No	Yes

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Asphalt	8052-42-4	Yes	Yes	Yes	Yes	Yes
Asphalt, oxidized	64742-93-4	No	No	No	Yes	No
Hydrogen sulfide	7783-06-4	Yes	Yes	Yes	Yes	Yes
Polycyclic aromatic hydrocarbons	130498-29-2	No	No	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

Silica, crystalline	14808-60-7
Carc:	carcinogen , 10/1/1988 (airborne particles of respirable size)
Naphthalene	91-20-3
Carc:	carcinogen , 4/19/2002
1-Methyl-2-pyrrolidone	872-50-4
Repro/Dev. Tox	developmental toxicity , 6/15/2001
4,4'-Methylenedianiline	101-77-9
Carc:	carcinogen , 1/1/1988

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Silica, crystalline	14808-60-7
	1 %
Butylated hydroxytoluene	128-37-0
	1 %
Naphthalene	91-20-3
	1 %
1,2,4-Trimethylbenzene	95-63-6
	0.1 %
Toluene-2,4-diisocyanate	584-84-9

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	0.1 %
Toluene 2,6-diisocyanate	91-08-7
	0.1 %
Dibutyltin dilaurate	77-58-7
	1 %
4,4'-Methylenedianiline	101-77-9
	0.1 %
4,4'-Methylenediphenyl diisocyanate	101-68-8
	0.1 %
Hydrogen sulfide	7783-06-4
	1 %

Component Analysis - Inventory

Extracts, petroleum, heavy paraffinic distillate solvent (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

Sulfur (7704-34-9)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

Polyalkylene glycol (Mixture)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No

Petroleum distillates, hydrotreated light (64742-47-8)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

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Ceramic microspheres (Mixture)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
No	DSL	EIN	Yes	No	No	No	Yes	No	Yes	Yes	No

Silica, crystalline (14808-60-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Talc (14807-96-6)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Ground coal (Mixture)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	No	No

Kaolinite (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	NSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	No

Limestone (1317-65-3)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	NSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Butylated hydroxytoluene (128-37-0)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

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Solvent naphtha, petroleum, heavy aromatic (64742-94-5)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Naphthalene (91-20-3)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

1,2,4-Trimethylbenzene (95-63-6)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Silane mixture (Mixture)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No

Toluene-2,4-diisocyanate (584-84-9)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Toluene 2,6-diisocyanate (91-08-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Dibutyltin dilaurate (77-58-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

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1-Methyl-2-pyrrolidone (872-50-4)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes

Lithium chloride (7447-41-8)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

4,4'-Methylenedianiline (101-77-9)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

2-Methoxy-1-methylethyl acetate (108-65-6)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Diphenylmethane diisocyanate (9016-87-9)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

4,4'-Methylenediphenyl diisocyanate (101-68-8)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Asphalt (8052-42-4)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

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Asphalt, oxidized (64742-93-4)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	No

Distillates, petroleum, petroleum residues vacuum (68955-27-1)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	No	No	No	Yes	No	Yes	No	No

Residues, petroleum, vacuum (64741-56-6)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

Hydrogen sulfide (7783-06-4)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Polycyclic aromatic hydrocarbons (130498-29-2)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
No	No	No	No	No	No	No	No	No	No	No	Yes

Section 16 - OTHER INFORMATION

HMIS Rating

Health: 2* Fire: 2 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

NFPA Ratings

Health: 2 Fire: 2 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

New SDS: May 14, 2015

Safety Data Sheet

Material Name: CCW-525V

Part No: 304542

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use

