

Siloxseal 385 Black

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Siloxseal 385 Black
Common Name: Modified Epoxy Ester coating
SDS Number: I50
Revision Date: 6/18/2015
Version: 1
Chemical Family: Alkyd
Supplier Details: Coatings For Industry, Inc.
 319 Township Line Road
 Souderton, PA 18964

Emergency: Infotrac
Contact: USA: 1-800-535-5053 / International :352-323-3500
Phone: 215-723-0919
Fax: 215-723-0911
Email: cs@cficoatings.com
Web: www.cficoatings.com

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

- Health, Acute toxicity, 5 Oral
- Health, Acute toxicity, 4 Dermal
- Health, Aspiration hazard, 1
- Physical, Flammable Liquids, 3
- Environmental, Hazards to the aquatic environment - Acute, 2
- Environmental, Hazards to the aquatic environment - Acute, 3
- Environmental, Hazards to the aquatic environment - Chronic, 2
- Health, Reproductive toxicity, 1 B
- Health, Respiratory or skin sensitization, 1 Skin
- Health, Respiratory or skin sensitization, 1 Respiratory
- Health, Skin corrosion/irritation, 2
- Health, Specific target organ toxicity - Single exposure, 3
- Health, Serious Eye Damage/Eye Irritation, 2 A

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H303 - May be harmful if swallowed
- H312 - Harmful in contact with skin
- H304 - May be fatal if swallowed and enters airways
- H226 - Flammable liquid and vapor
- H401 - Toxic to aquatic life
- H402 - Harmful to aquatic life
- H411 - Toxic to aquatic life with long lasting effects
- H360 - May damage fertility or the unborn child
- H317 - May cause an allergic skin reaction

Siloxseal 385 Black

H334 - May cause allergy or asthma symptoms of breathing difficulties if inhaled
 H315 - Causes skin irritation
 H336 - May cause drowsiness or dizziness
 H319 - Causes serious eye irritation

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
 P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P308+313 - IF exposed or concerned: Get medical advice/attention.
 P331 - Do NOT induce vomiting.
 P342+311 - Call a POISON CENTER or doctor/physician.

3	COMPOSITION/INFORMATION OF INGREDIENTS
----------	---

Ingredients:

Cas#	%	Chemical Name
108-65-6	25-35%	2-Propanol, 1-methoxy-, acetate
68186-91-4	15-20%	C.I. Pigment Black 38
98-82-8	0.1-0.5%	Cumene
0	20-30%	Epoxy Ester Co-polymer Resin
100-41-4	2.5-5%	Ethyl benzene
61789-51-3	0.1-0.3%	Naphthenic acids, cobalt salts
1330-20-7	10-25%	Xylene

4	FIRST AID MEASURES
----------	---------------------------

Inhalation: If inhaled, remove to fresh air. Give oxygen or artificail respiration if needed. Get immediate medical attention.

Skin Contact: Remove contaminated clothing and footwear immediately, and wash before reuse. Discard clothing and footwear which cannot be decontaminated.
 Wash with soap and water. Get medical attention if needed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
 Then remove contact lenses, if easily removeable, and continue irrigation for not less than 15 minutes. Get immediate medical attention.

Ingestion: Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.
 If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention. Rinse mouth with water.
 Never give anything by mouth to an unconscious person.

5	FIRE FIGHTING MEASURES
----------	-------------------------------

Flash Point: 80 F
Flash Point Method: Setaflash
LEL: 1.10%
UEL: 7.00%

Extinguishing Media ~ Use foam, carbon dioxide or chemical fire fighting apparatus.
 Unusual Fire and Explosion Hazards ~ Keep containers tightly closed. Isolate from heat, electrical equipment. Sparks and closed containers may explode when exposed to extreme heat.

Special Fire Fighting Procedures ~ The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be

Siloxseal 385 Black

used for cooling containers to prevent possible pressure build-up and auto-ignition or explosion when exposed to extreme heat. Avoid spreading burning liquid with water used for cooling.

6**ACCIDENTAL RELEASE MEASURES****Steps To Be Taken In Case Material Is Released Or Spilled**

Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment (See Section VIII). Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Remove containers to a safe area and seal.

Waste Disposal Method

Dispose of as hazardous waste. Waste material must be disposed of in accordance with federal, state and local environmental regulatory controls.

7**HANDLING AND STORAGE****Handling Precautions:**

HANDLING: Avoid breathing vapor and contact with eyes, skin and clothing. Do not leave containers open. Avoid repeated or prolonged contact with skin. Empty containers retain product residue. Observe all safety precautions. Do not reuse container. Keep away from fire, sparks and heated surfaces. Flammable liquid. Avoid heat, sparks and open flames.

SPECIAL HANDLING PROCEDURES: Put on appropriate personal protective equipment. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Follow US NFPA 30, "Flammable and Combustible Liquids Code", or other national, state and local codes on safe handling of flammable liquids. Train workers in the recognition and prevention of hazards associated with the storage, handling, and transfer of flammable liquids in the plant. Empty containers retain product residue and can be hazardous.

Storage Requirements:

STORAGE: Store in a cool, dry place. Keep container close. Protect from damage. Keep all containers tightly closed when not in use. Store out of direct sunlight and on an impermeable floor. Do not store with incompatible materials.

8**EXPOSURE CONTROLS/PERSONAL PROTECTION****Personal Protective Equipment:**

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739, AS/NZS:2161) made from the following materials may provide suitable chemical protection: Longer term protection: Viton. Incidental contact/Splash protection: Nitrile rubber.

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of

Siloxseal 385 Black

contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended

Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Components with workplace control parameters

2-Propanol, 1-methoxy-, acetate (108-65-6)

TWA 50 ppm USA. Workplace Environmental Exposure Levels (WEEL)

Cumene (98-82-8)

TWA 50 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Eye, skin, & Upper Respiratory Tract irritation

TWA 50 ppm (245 mg/m³) USA. NIOSH Recommended Exposure Limits
Potential for dermal absorption

TWA 50 ppm (245 mg/m³) USA. Occupational Exposure Limits (OSHA) - Table Z- 1 Limits for Air
Contaminants
Skin designation The value in mg/m³ is approximate.

TWA 50 ppm (245 mg/m³) USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
Skin notation

Ethyl benzene (100-41-4)

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI section) Confirmed animal carcinogen with unknown relevance to humans

STEL 125 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI section) Confirmed animal carcinogen with unknown relevance to humans

TWA 100 ppm (435 mg/m³) USA. NIOSH Recommended Exposure Limits

ST 125 ppm (545 mg/m³) USA. NIOSH Recommended Exposure Limits

TWA 100 ppm (435 mg/m³) USA. Occupational Exposure Limits (OSHA) - Table Z- 1 Limits for Air
Contaminants

Siloxseal 385 Black

The value in mg/m³ is approximate.

TWA 100 ppm (435 mg/m³) USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

STEL 125 ppm (545 mg/m³) USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Naphthenic acids, cobalt salts (61789-51-3)

TWA 0.02 mg/m³ USA. ACGIH Threshold Limit Values (TLV)
 Pulmonary function Asthma Myocardial effects Substances for which there is a Biological Exposure Index or Indices (see BEI section) Confirmed animal carcinogen with unknown relevance to humans varies

Xylene (1330-20-7)

TWA 100 ppm (435 mg/m³) USA. Occupational Exposure Limits (OSHA) - Table Z- 1 Limits for Air Contaminants

TWA 100 ppm (435 mg/m³) USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

STEL 150 ppm (655 mg/m³) USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA 100 ppm (435 mg/m³) USA. ACGIH Threshold Limit Values (TLV)
 Not classifiable as a human carcinogen

STEL 150 ppm (655 mg/m³) USA. ACGIH Threshold Limit Values (TLV)
 Not classifiable as a human carcinogen

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)
 Eye & Upper Respiratory Tract irritation Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI section) Not classifiable as a human carcinogen

STEL 150 ppm USA. ACGIH Threshold Limit Values (TLV)
 Eye & Upper Respiratory Tract irritation Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI section) Not classifiable as a human carcinogen

Pigment Black 28 (68186-91-4)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

CHROMIUM (III) AND COMPOUNDS PEL 1 mg/m³

COPPER DUSTS AND MISTS PEL 1 mg/m³

US. ACGIH Threshold Limit Values

CHROMIUM (III) AND COMPOUNDS TWA 0.5 mg/m³

COPPER DUSTS AND MISTS TWA 1 mg/m³

US. NIOSH: Pocket Guide to Chemical Hazards

CHROMIUM (III) AND COMPOUNDS TWA 0.5 mg/m³

COPPER DUSTS AND MISTS TWA 1 mg/m³

Siloxseal 385 Black

9	PHYSICAL AND CHEMICAL PROPERTIES
----------	---

Appearance:	Black	Odor:	Aromatic odor
Physical State:	Liquid	Solubility:	negligible
Spec Grav./Density:	1.1-1.2	Percent Volatile:	68-71% by volume
Boiling Point:	277-293 F	Flash Point:	80 F
Vapor Pressure:	6.63mm Hg @68 F	VOC:	635g/L
Evap. Rate:	0.63 (n-Bu Ac=1)		

10	STABILITY AND REACTIVITY
-----------	---------------------------------

Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	High temperatures, sparks, open flame, and all other sources of ignition. Avoid heat, sparks, flames and other ignition sources.
Materials to Avoid:	Strong Oxidizing Agents.
Hazardous Decomposition:	Thermal decomposition may yield carbon dioxide and/or carbon monoxide.
Hazardous Polymerization:	Will not occur.

11	TOXICOLOGICAL INFORMATION
-----------	----------------------------------

2-Propanol, 1-methoxy-, acetate (108-65-6)

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 8,532 mg/kg

Inhalation LC50 no data available

Dermal LD50 LD50 Dermal - rabbit - > 5,000 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - No skin irritation

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: Maximisation Test - guinea pig - Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

Siloxseal 385 Black

RTECS: AI8925000

Cumene (98-82-8)

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - male - 2,260 mg/kg

Inhalation LC50 no data available

Dermal LD50

Other information on acute toxicity NOAEL Feed - rat - male - > 535.8 mg/kg

Skin corrosion/irritation: Skin - rabbit - No skin irritation - OECD Test Guideline 404

Serious eye damage/eye irritation: Eyes - rabbit - No eye irritation - OECD Test Guideline 405

Respiratory or skin sensitisation: guinea pig - Did not cause sensitisation on laboratory animals. - OECD Test Guideline 406

Germ cell mutagenicity: Genotoxicity in vitro - in vitro assay - S. typhimurium - with and without metabolic activation - negative

Genotoxicity in vivo - mouse - male and female - inhalation (gas) - negative

Carcinogenicity:

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Cumene)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: May be fatal if swallowed and enters airways.

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: narcosis, Central nervous system depression, Dermatitis, Gastrointestinal disturbance, Damage to the lungs., Liver injury may occur., Kidney injury may occur.

Synergistic effects: no data available

Additional Information:

RTECS: GR8575000

Ethyl benzene (100-41-4)

Information on toxicological effects

Acute toxicity:

Oral LD50 3500 mg/kg Rat

Inhalation LC50 17.2 mg/L Rat

Dermal LD50 LD50 Dermal - rabbit - 15,433 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA

Siloxseal 385 Black

classification.

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: Central nervous system depression, Nausea, Headache, Vomiting, Ataxia., Tremors

Synergistic effects: no data available

Additional Information:

RTECS: DA0700000

Naphthenic acids, cobalt salts (61789-51-3)

Information on toxicological effects

Acute toxicity:

Oral LD50 - rat - 3,900 mg/kg

Inhalation LC50 no data available

Dermal LD50 no data available

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Naphthenic acids, cobalt salts)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Synergistic effects: no data available

Additional Information:

RTECS: Not available

Xylene (1330-20-7)

Siloxseal 385 Black

Information on toxicological effects

Acute toxicity:

Oral LD50 3500 mg/kg Rat
Inhalation LC50 29.08 mg/L Rat
Dermal LD50 >4350 mg/kg Rabbit
Other information on acute toxicity

Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: Eyes: no data available
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene)
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity - single exposure (Globally Harmonized System): no data available
Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available
Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: Not available

Pigment Black 28 (68186-91-4)

Acute toxicity:

Oral LD50 > 10000 mg/kg Rat
Inhalation LD50 > 11.1 mg/l Rat
Dermal LD50 No Data Available
Other information on acute toxicity

Skin corrosion/irritation Contact with skin may cause irritation.

Serious eye damage/eye irritation May irritate eyes.

Respiratory or skin sensitization

Respiratory sensitization No data available.

Skin sensitization No data available.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

CHROMIUM COMPOUND (CAS 7440-47-3) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity No data available.

Specific target organ toxicity -single exposure No data available.

Specific target organ toxicity -repeated exposure No data available.

Aspiration hazard No data available.

Chronic effects No data available.

Siloxseal 385 Black

Further information Repeated overexposure to this compound may cause eye, skin and respiratory tract irritation. Some compounds of the metals used in the manufacturing of this material have demonstrated various toxic properties. However, there is no evidence that this material has these toxic characteristics. This product is the result of high temperature calcination of the component substances. Due to its unique crystalline structure the properties of this finished material do not necessarily reflect the properties of the component metals or oxides.

12**ECOLOGICAL INFORMATION****2-Propanol, 1-methoxy-, acetate (108-65-6)**

Information on ecological effects

Toxicity:

Toxicity to fish mortality LC50 - *Salmo gairdneri* - 100 - 180 mg/l - 96 h. Method: OECD Test Guideline 203

Toxicity to daphnia Immobilization EC50 - *Daphnia magna* (Water flea) - > 500 mg/l - 48 h.

and other aquatic Method: Tested according to Annex V of Directive 67/548/EEC. invertebrates

Persistence and degradability: Biodegradability Biotic/Aerobic Result: 100 % - Readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: Biochemical Oxygen 0.36 mg/l Demand (BOD)

Chemical Oxygen 1.74 mg/g Demand (COD)

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

Cumene (98-82-8)

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout) - 4.8 mg/l - 96 h.

Toxicity to daphnia EC50 - *Daphnia* - 2.14 mg/l - 48 h.

and other aquatic Method: OECD Test Guideline 202 invertebrates

Toxicity to algae EC50 - *Pseudokirchneriella subcapitata* (green algae) - 2.60 mg/l - 72 h.

Persistence and degradability: Biodegradability Result: - According to the results of tests of biodegradability this product is not readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life with long lasting effects.

Ethyl benzene (100-41-4)

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Cyprinodon variegatus* (sheepshead minnow) - 88.00 mg/l - 96 h.

LC50 - *Lepomis macrochirus* (Bluegill) - 80.00 mg/l - 96 h

NOEC - *Cyprinodon variegatus* (sheepshead minnow) - 88 mg/l - 96 h

LC50 - *Oncorhynchus mykiss* (rainbow trout) - 4.2 mg/l - 96 h

Siloxseal 385 Black

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 2.90 mg/l - 48 h.
and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

Naphthenic acids, cobalt salts (61789-51-3)

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Xylene (1330-20-7)

Information on ecological effects

Acute Toxicity

Fish: Toxic: LL/EL/IL50 >1 -<=10 mg/l

Aquatic crustacea : Toxic: LL/EL/IL50 >1 -<=10 mg/l

Algae/aquatic plants : Toxic: LL/EL/IL50 >1 -<=10 mg/l

Microorganisms : Practically non toxic: LL/EL/IL50 > 100 mg/l

Chronic Toxicity

Fish: 56 day NOEC/NOEL expected to be >1 mg/l (based on test data)

Aquatic crustacea : 21 day NOEC/NOEL expected to be >1 mg/l (based on test data)

Mobility: Adsorbs to soil and has low mobility. Floats on water.

Persistence/degradability: Readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

Bioaccumulative Potential: Does not bioaccumulate significantly.

Other Adverse Effects : In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life.

Pigment Black 28 (68186-91-4)

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Siloxseal 385 Black

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

14 TRANSPORT INFORMATION

UN1263, Paint related material including paint thinning, drying, removing, or reducing compound, 3, PGIII

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

2-Propanol, 1-methoxy-, acetate (108-65-6) [25-35%] TSCA

C.I. Pigment Black 28 (68186-91-4) [15-20%] TSCA

Epoxy Ester Co-polymer Resin (0) [20-30%] TSCA

Ethyl benzene (100-41-4) [2.5-5%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

RQ(100LBS), Xylene (1330-20-7) [10-25%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

Regulatory CODE Descriptions

- RQ = Reportable Quantity
- TSCA = Toxic Substances Control Act
- CERCLA = Superfund clean up substance
- CSWHS = Clean Water Act Hazardous substances
- EPCRAWPC = EPCRA water Priority Chemicals
- HAP = Hazardous Air Pollutants
- MASS = MA Massachusetts Hazardous Substances List
- NJHS = NJ Right-to-Know Hazardous Substances
- OSHA = OSHA workplace Air Contaminants
- PA = PA Right-To-Know List of Hazardous Substances
- PRIPOL = Clean Water Act Priority Pollutants
- SARA313 = SARA 313 Title III Toxic Chemicals
- TOXICPOL = Clean Water Act Toxic Pollutants
- TXAIR = TX Air Contaminants with Health Effects Screening Level
- TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
- TXHWL = TX Hazardous Waste List

16 OTHER INFORMATION

NOTICE: This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another: it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The preceding specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.