



2870 CRESTWOOD BLVD. STE B
IRONDALE, AL 35210
205-957-0020



DEFENDER

DEFENDER PRIME EPOXY PRIMER PART A
SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

PRODUCT ID	DEFENDER PRIME EPOXY PRIMER, TAN, PART A
PRODUCT NAME	FASTPRIME 2 EPOXY PRIMER TAN
PRODUCT CODE	H-7480
MANUFACTURER'S NAME	SPRAYROQ
ADDRESS	2870 CRESTWOOD BLVD, IRONDALE, AL 35210
EMERGENCY PHONE	CHEMTREC: 800-424-9300
INFORMATION PHONE NUMBER	(205) 957-0020
FAX	N/A

SECTION 2. HAZARDS IDENTIFICATION

GHS RATINGS

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	1C	Destruction of dermal tissue: Exposure < 4 hours Observation < 14 days, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	1B	Presumed, Based on experimental animals



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GHS HAZARDS

- H225** Highly flammable
- H314** Causes severe skin burns and eye damage
- H317** May cause an allergic skin reaction
- H318** Causes serious eye damage
- H340** May cause genetic defects
- H350** May cause cancer
- H360** May damage fertility or the unborn child

GHS PRECAUTIONS

- P201** Obtain special instructions before use
- P202** Do not handle until all safety precautions have been read and understood
- P210** Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- P233** Keep container tightly closed.
- P240** Ground/bond container and receiving equipment.
- P241** Use explosion-proof electrical equipment.
- P242** Use only non-sparking tools.
- P243** Take precautionary measures against static discharge.
- P260** Do not breathe dust/fume/gas/mist/vapours/spray.
- P261** Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264** Wash equipment and contaminated skin thoroughly after handling.
- P272** Contaminated work clothing should not be allowed out of the workplace.
- P280** Wear protective gloves/protective clothing/eye protection/face protection.
- P281** Use personal protective equipment as required
- P310** Immediately call a POISON CENTER or doctor/physician
- P321** Wash contaminated skin, follow Physician's instructions for treatment.
- P363** Wash contaminated clothing before reuse
- P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P302+P352** IF ON SKIN: Wash with soap and water
- P303+P361+P353** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305+P351+P338** IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P308+P313** IF exposed or concerned: Get medical advice/attention
- P333+P313** If skin irritation or a rash occurs: Get medical advice/attention
- P370+P378** In case of fire: Use CO₂, water spray, foam, or dry chemical to extinguish.
- P405** Store locked up
- P403+P235** Store in a well ventilated place. Keep cool
- P501** Dispose of contents/container in accordance to appropriate regulations and laws.



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SIGNAL WORD: DANGER



SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS	CHEMICAL NAME	% BY WEIGHT
98-56-6	Benzene, 1-chloro-4-(trifluoromethyl)	19.00%
13463-67-7	Titanium dioxide	10.00-20.00%
68410-23-1	Fatty acid polyamide	9.00%
78-93-3	Methyl ethyl ketone	3.00%
1330-20-7	Xylol	3.00%
90-72-2	2,4,6-Tri(dimethylaminomethyl)phenol	2.00%
100-41-4	Benzene, ethyl-	1.00%
64742-95-6	Aromatic naphtha, type I	0.20%

SECTION 4. FIRST AID MEASURES

Move the exposed person to fresh air. If vapors are still present the rescuer should wear the appropriate mask. If breathing is irregular or arrest occurs use artificial respiration by trained personnel. Loosen tight fitting clothing, Get medical aid immediately.

Immediately flush eyes with plenty of water for at least 15 minutes. Regularly lift upper and lower eyelids during flushing. Remove contact lenses. Get medical aid.

Flush contaminated skin with water. Remove contaminated cloths, avoiding skin contact while doing so. Get medical attention. Clean contaminated shoes thoroughly before reuse.

Wash mouth out thoroughly. Do not induce vomiting unless directed by medical personnel. Get medical attention No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been inhaled or ingested.



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SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 16 C (61 F)

LEL: 1.0%

UEL: 8.0%

For flammable liquid: Can burst from pressure if in sealed container and heated, with risk of subsequent explosion. Vapors are heavier than air, can spread on ground and collect in low lying areas. Runoff to a collection area can create a fire or explosion hazard.

Dry Chemical, CO₂, water spray(fog), or foam. Do not use water jet. Isolate scene removing persons not trained if there is a fire. Move containers from fire area if there is no risk. Use water spray to keep fire exposed containers cool.

Decomposition products may include the following materials: Carbon Oxides. Fire fighters should wear appropriate protective equipment and well-ventilated breathing apparatus.

Use dry chemical, CO₂, water spray(fog) or foam. Do not use water jet.

SECTION 6. ACCIDENTAL RELEASE MEASURES

No action should be taken with untrained personnel. Evacuate surrounding areas. Do not touch or walk through spill. Shut off all ignition sources. Provide adequate ventilation. Use appropriate protective equipment. Do not breathe dust, mist, or vapor.

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble, or absorb with inert dry material and place in appropriate waste container. Dispose via licensed waste disposal.

Stop leak if without risk. Move containers from area. Approach from upwind. Prevent run off to water source, basements, sewers, or confined areas. Contain and collect spillage with non combustible, absorbent materials, sand, vermiculite, diatomic earth and dispose by local regulation. Use spark-proof tools and explosion proof equipment.

SECTION 7. HANDLING AND STORAGE

Use appropriate personal protective equipment. No eating, drinking, or smoking in areas of use. Persons with a history of skin sensitization should not be employed in any process in which this product is used. Avoid exposure during pregnancy. Do not ingest. Use adequate ventilation or respirator. Keep in appropriate container avoiding open flames, sparks or other ignition sources. Use explosion proof equipment and non sparking tools. Use proper grounding procedures.



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Store in designated flammable liquid storage areas. Protect from direct sunlight in dry, cool ventilated areas. Keep food and drink away from area. Eliminate all ignition sources. Opened containers must be carefully resealed and kept upright. Do not use unlabeled containers. Use appropriate containment.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME/CAS NO	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	Not Established	Not Established	Not Established
Titanium dioxide 13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	Not Established
Fatty acid polyamide 68410-23-1	Not Established	Not Established	Not Established
Methyl ethyl ketone 78-93-3	200 ppm TWA; 590 mg/m ³ TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m ³ TWA 300 ppm STEL; 885 mg/m ³ STEL
Xylol 1330-20-7	100 ppm TWA; 435 mg/m ³ TWA	150 ppm STEL 100 ppm TWA	Not Established
2,4,6-Tri (dimethylaminomethyl) phenol 90-72-2	Not Established	Not Established	Not Established
Benzene, ethyl 100-41-4	100 ppm TWA; 435 mg/m ³ TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL
Aromatic naphtha, type I 64742-95-6	Not Established	Not Established	Not Established

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to meet exposure to airborne contaminants above statutory limits. Use appropriate controls to keep concentration below explosive limits.

Ensure adequate ventilation by standard emission testing procedures, Use appropriate respiratory equipment when needed.

Assure safety training of operators in regards to handling liquids and vapors. Follow local regulatory rules of exposure control using air purifying or air supplied mask as needed. Use appropriate protective equipment according to OSHA and NAFTA standards and labeling. Ensure eye wash stations and safety showers are available.

Wash contaminated gear and clothing before reuse.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES

EVAPORATION RATE	NA
AUTOIGNITION TEMP	NA
COATING VOC LB/GA	1.63
APPEARANCE	TAUPE
VAPOR PRESURE	NA
VAPOR DENSITY	NA
DENSITY	19.71
FREEZING POINT	NA
BOILING RANGE	137C
FLAMMABILITY	NA
PARTITION COEFFICIENT	NA
DECOMPOSITION TEMP	NA
VISCOSITY	NA
ODOR	E
ODOR THRESHOLD	NO DATA
PH	NA
MELTING POINT	NA
SOLUBILITY	NA
FLASH POINT	61°F,16°C
EXPLOSIVE LIMITS	NA

SECTION 10. STABILITY AND REACTIVITY

These materials are stable. Under normal conditions of storage and use hazardous reactions or polymerization will not occur. Avoid all source of ignitions, sparks or flames. Do not allow vapor to accumulate in low lying areas.

Do not expose to strong oxidizing agents, strong acids, or aliphatic amines.

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.



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SECTION 11. TOXICOLOGICAL INFORMATION

MIXTURE TOXICITY

Inhalation Toxicity LC50: 91mg/L

ROUTES OF ENTRY

Exposure to this material may affect the following organs:
Eyes, Central Nervous System, Skin, Respiratory System

CARCINOGENICITY

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS	DESCRIPTION	% WEIGHT	CARCINOGEN RATING
64742-95-6	Aromatic naphtha, type I	0.2%	Aromatic naphtha, type I: EU REACH: Present (P)
13463-67-7	Titanium dioxide	10 to 20%	Titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed
100-41-4	Benzene, ethyl-	1%	Benzene, ethyl-: IARC: Possible human carcinogen OSHA: listed

This product can be a skin and eye sensitizer. The material should be washed from skin or flushed from eyes immediately. Contaminated clothing should be removed. Wear proper protective equipment. Any other acute toxicological information can be found in section 11.

Approximately 2% of the population can develop skin sensitivity with increasing inflammation and allergic reactions with repeated exposure.

SECTION 12. ECOLOGICAL INFORMATION

No known significant effects or critical hazards.



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COMPONENT ECOTOXICITY

Benzene, 1-chloro-4- (trifluoromethyl)-

48 Hr EC50 Daphnia magna: 3.68 mg/L

Methyl ethyl ketone

96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through] 48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]

Xylol

96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

Benzene, ethyl-

96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static]
48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L
72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

Aromatic naphtha, type I

96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L
48 Hr EC50 Daphnia magna: 6.14 mg/L

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Minimize the generation of waste whenever possible. Dispose by license waste disposal contractor. Comply with local, regional, and federal disposal regulations and legislation.



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SECTION 14. Transport Information

AGENCY	PROPER SHIPPING NAME	UN NUMBER	PACKING GROUP	HAZARD CLASS
DOT	PAINT	1263	II	3
IOTA	PAINT	1263	II	3

SECTION 15. REGULATORY INFORMATION

All components are in compliance with TSCA inventory listing or are exempt.

COUNTRY REGULATION ALL COMPONENTS LISTED

EU RISK PHRASES - NONE

SAFETY PHRASE - NONE

SECTION 16. Other Information

HMS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

Hazardous Material Information System (HMIS)

HEALTH	* 2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

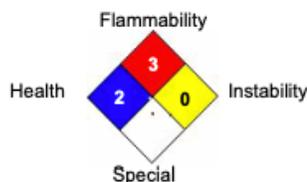
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



The information provided herein was believed by Induron Protective Coating to be accurate and reliable, but the user is responsible to comply with all laws and procedures whether included or not. Induron makes no warranty expressed or implied concerning the accuracy of the information except the product will comply with Induron specifications.



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SECTION 1. IDENTIFICATION

PRODUCT ID	DEFENDER PRIME EPOXY PRIMER PART B
PRODUCT NAME	CERAMAPRIME EPOXY PRIMER PART B
PRODUCT CODE	Q-1483
MANUFACTURER'S NAME	INDURON PROTECTIVE COATINGS, LLC
ADDRESS	3333 RICHARD ARRINGTON BLVD. N. BIRMINGHAM, AL 35234
EMERGENCY PHONE	CHEMTREC: 800-424-9300
INFORMATION PHONE NUMBER	(205) 957-0020
FAX	N/A

SECTION 2. HAZARDS IDENTIFICATION

GHS RATINGS

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Oral Toxicity	Acute Tox. 2	Oral>5+<=50mg/kg
Dermal Toxicity	Acute Tox. 3	Dermal>200+<=1000mg/kg
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	1	Presumed, Based on experimental animals
Aspiration hazard		Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm ² /s at 40° C.



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GHS HAZARDS

- H225** Highly flammable
- H300** Fatal if swallowed
- H304** May be fatal if swallowed and enters airways
- H311** Toxic in contact with skin
- H315** Causes skin irritation
- H317** May cause an allergic skin reaction
- H319** Causes serious eye irritation
- H340** May cause genetic defects
- H350** May cause cancer
- H360** May damage fertility or the unborn child

GHS PRECAUTIONS

- P201** Obtain special instructions before use
- P202** Do not handle until all safety precautions have been read and understood
- P210** Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- P233** Keep container tightly closed.
- P240** Ground/bond container and receiving equipment.
- P241** Use explosion-proof electrical equipment.
- P242** Use only non-sparking tools.
- P243** Take precautionary measures against static discharge.
- P261** Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264** Wash equipment and contaminated skin thoroughly after handling.
- P270** Do not eat, drink or smoke when using this product
- P272** Contaminated work clothing should not be allowed out of the workplace.
- P280** Wear protective gloves/protective clothing/eye protection/face protection.
- P281** Use personal protective equipment as required
- P312** Call a POISON CENTER or doctor/physician if you feel unwell
- P321** Wash contaminated skin, follow Physician's instructions for treatment.
- P322** Specific measures Remove contaminated clothing and protective equipment.
- P330** Rinse mouth
- P331** Do NOT induce vomiting
- P361** Remove/Take off immediately all contaminated clothing
- P362** Take off contaminated clothing and wash before reuse
- P363** Wash contaminated clothing before reuse
- P301+P310** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- P302+P352** IF ON SKIN: Wash with soap and water
- P303+P361+P353** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P305+P351+P338** IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing



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P308+P313 If exposed or concerned: Get medical advice/attention
P332+P313 If skin irritation occurs: Get medical advice/attention
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P337+P313 Get medical advice/attention
P370+P378 In case of fire: Use CO₂, water spray, foam, or dry chemical to extinguish.
P405 Store locked up
P403+P235 Store in a well ventilated place. Keep cool
P501 Dispose of contents/container in accordance to appropriate regulations and laws.

SIGNAL WORD: DANGER



SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	% BY WEIGHT
Talc	14807-96-6	22.00%
Dimethyl carbonate	616-38-6	15.00%
Hexone	108-10-1	10.00%
Aromatic naphtha, type I	64742-95-6	8.00%
Kaolin	1332-58-7	7.00%
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	25068-38-6	5.00%
Benzene, 1,2,4-trimethyl-	95-63-6	4.00%
Xylol	1330-20-7	3.00%
Benzene, ethyl-	100-41-4	0.90%



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SECTION 4. FIRST AID MEASURES

Move the exposed person to fresh air. If vapors are still present the rescuer should wear the appropriate mask. If breathing is irregular or arrest occurs use artificial respiration by trained personnel. Loosen tight fitting clothing, Get medical aid immediately.

Immediately flush eyes with plenty of water for at least 15 minutes. Regularly lift upper and lower eyelids during flushing. Remove contact lenses. Get medical aid.

Flush contaminated skin with water. Remove contaminated cloths, avoiding skin contact while doing so. Get medical attention. Clean contaminated shoes thoroughly before reuse.

Wash mouth out thoroughly. Do not induce vomiting unless directed by medical personnel. Get medical attention.

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been inhaled or ingested.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 15 C (59 F)

LEL: 1.0%

UEL: 8.0%

For flammable liquid: Can burst from pressure if in sealed container and heated, with risk of subsequent explosion. Vapors are heavier than air, can spread on ground and collect in low lying areas. Runoff to a collection area can create a fire or explosion hazard.

Dry Chemical, CO₂, water spray(fog), or foam. Do not use water jet. Isolate scene removing persons not trained if there is a fire. Move containers from fire area if there is no risk. Use water spray to keep fire exposed containers cool.

Decomposition products may include the following materials: Carbon Oxides. Fire fighters should wear appropriate protective equipment and well-ventilated breathing apparatus.

Use dry chemical, CO₂, water spray(fog) or foam. Do not use water jet.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

No action should be taken with untrained personnel. Evacuate surrounding areas. Do not touch or walk through spill. Shut off all ignition sources. Provide adequate ventilation. Use appropriate protective equipment. Do not breathe dust, mist, or vapor.

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble, or absorb with inert dry material and place in appropriate waste container. Dispose via licensed waste disposal.

Stop leak if without risk. Move containers from area. Approach from upwind. Prevent run off to water source, basements, sewers, or confined areas. Contain and collect spillage with non combustible, absorbent materials, sand, vermiculite, diatomic earth and dispose by local regulation. Use spark-proof tools and explosion proof equipment.

SECTION 7. HANDLING AND STORAGE

Use appropriate personal protective equipment. No eating, drinking, or smoking in areas of use. Persons with a history of skin sensitization should not be employed in any process in which this product is used. Avoid exposure during pregnancy. Do not ingest. Use adequate ventilation or respirator. Keep in appropriate container avoiding open flames, sparks or other ignition sources. Use explosion proof equipment and non sparking tools. Use proper grounding procedures.

Store in designated flammable liquid storage areas. Protect from direct sunlight in dry, cool ventilated areas. Keep food and drink away from area. Eliminate all ignition sources. Opened containers must be carefully resealed and kept upright. Do not use unlabeled containers. Use appropriate containment.



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME/CAS NO	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Talc 14807-96-6	Not Established	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	Not Established
Dimethyl carbonate 616-38-6	Not Established	Not Established	Not Established
Hexone 108-10-1	100 ppm TWA; 410 mg/m3 TWA	75 ppm STEL 20 ppm TWA	Not Established
Aromatic naphtha, type I 64742-95-6	Not Established	Not Established	NIOSH: 200 ppm TWA; 590 mg/m3 TWA 300 ppm STEL; 885 mg/m3 STEL
Kaolin 1332-58-7	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	Not Established
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3- epoxypropane 25068-38-6	Not Established	Not Established	Not Established
Benzene, 1,2,4-trimethyl 95-63-6	Not Established	Not Established	NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL
Xylol 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	Not Established
Benzene, ethyl 100-41-4	100 ppm TWA; 435 mg/m3 20 ppm TWA TWA	20 ppm TWA	

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to meet exposure to airborne contaminants above statutory limits. Use appropriate controls to keep concentration below explosive limits. Ensure adequate ventilation by standard emission testing procedures, Use appropriate respiratory equipment when needed. Assure safety training of operators in regards to handling liquids and vapors. Follow local regulatory rules of exposure control using air purifying or air supplied mask as needed. Use appropriate protective equipment according to OSHA and NAFTA standards and labeling. Ensure eye wash stations and safety showers are available. Wash contaminated gear and clothing before reuse.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES

EVAPORATION RATE	NA
AUTOIGNITION TEMP	NA
COATING VOC LB/GA	3.23
APPEARANCE	TAUPE
VAPOR PRESURE	NA
VAPOR DENSITY	NA
DENSITY	10.36
FREEZING POINT	NA
BOILING RANGE	137C
FLAMMABILITY	NA
PARTITION COEFFICIENT	NA
DECOMPOSITION TEMP	NA
VISCOSITY	NA
ODOR	E
ODOR THRESHOLD	NO DATA
PH	NA
MELTING POINT	NA
SOLUBILITY	NA
FLASH POINT	59°F,15°C
EXPLOSIVE LIMITS	NA

SECTION 10. STABILITY AND REACTIVITY

These materials are stable. Under normal conditions of storage and use hazardous reactions or polymerization will not occur. Avoid all source of ignitions, sparks or flames. Do not allow vapor to accumulate in low lying areas.

Do not expose to strong oxidizing agents, strong acids, or aliphatic amines.

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.



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SECTION 11. TOXICOLOGICAL INFORMATION

MIXTURE TOXICITY

Oral Toxicity LD50: 46mg/kg
Dermal Toxicity LD50: 646mg/kg
Inhalation Toxicity LC50: 59mg/L

ROUTES OF ENTRY

Exposure to this material may affect the following organs:
Blood, Eyes, Kidneys, Liver, Central Nervous System, Skin, Cardiovascular System, Respiratory System

CARCINOGENICITY

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS	DESCRIPTION	% WEIGHT	CARCINOGEN RATING
100-41-4	Benzene, ethyl-	0.9%	Benzene, ethyl-: IARC: Possible human carcinogen OSHA: listed
108-10-1	Hexone	10%	Hexone: IARC: Possible human carcinogen OSHA: listed
64742-95-6	Aromatic naphtha, type I	8%	Aromatic naphtha, type I: EU REACH: Present (P)

This product can be a skin and eye sensitizer. The material should be washed from skin or flushed from eyes immediately. Contaminated clothing should be removed. Wear proper protective equipment. Any other acute toxicological information can be found in section 11.

Approximately 2% of the population can develop skin sensitivity with increasing inflammation and allergic reactions with repeated exposure

SECTION 12. ECOLOGICAL INFORMATION

No known significant effects or critical hazards.



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COMPONENT ECOTOXICITY

Talc

48 Hr EC50 Daphnia magna: 3.68 mg/L

Hexone

96 Hr LC50 Pimephales promelas: 496 - 514 mg/L [flow-through]

48 Hr EC50 Daphnia magna: 170 mg/L

96 Hr EC50 Pseudokirchneriella subcapitata: 400 mg/L

Aromatic naphtha, type I

96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L

48 Hr EC50 Daphnia magna: 6.14 mg/L

Benzene, 1,2,4-trimethyl-

96 Hr LC50 Pimephales promelas: 7.19 - 8.28 mg/L [flow-through]

48 Hr EC50 Daphnia magna: 6.14 mg/L

Xylol

96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through];

96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static];

96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L;

96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through];

96 Hr LC50 Lepomis macrochirus: 19 mg/L;

96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static];

96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static];

96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static];

96 Hr LC50 Cyprinus carpio: >780 mg/L;

96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static]

48 Hr EC50 water flea: 3.82 mg/L;

48 Hr LC50 Gammarus lacustris: 0.6 mg/L

Benzene, ethyl-

96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static];

96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static];

96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through];

96 Hr LC50 Lepomis macrochirus: 32 mg/L [static];

96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static];

96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static]

48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L



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72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L;
96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L;
72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static];
96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Minimize the generation of waste whenever possible. Dispose by license waste disposal contractor. Comply with local, regional, and federal disposal regulations and legislation.

SECTION 14. Transport Information

AGENCY	PROPER SHIPPING NAME	UN NUMBER	PACKING GROUP	HAZARD CLASS
DOT	PAINT	1263	II	3
IOTA	PAINT	1263	II	3

SECTION 15. REGULATORY INFORMATION

All components are in compliance with TSCA inventory listing or are exempt.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- 108-10-1 Hexone 10 %
- 100-41-4 Benzene, ethyl- 1 %

HAZARDOUS AIR POLLUTANTS

- 108-10-1 Hexone
- 1330-20-7 Xylol
- 100-41-4 Benzene, ethyl-

HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS

- None



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CHEMICAL LIST FOR SARA 313

- 108-10-1 Hexone
- 95-63-6 Benzene, 1,2,4-trimethyl
- 1330-20-7 Xylol
- 100-41-4 Benzene, ethyl

CHEMICAL LIST FOR SARA 311/312

- 1330-20-7 Xylol

CHEMICAL LIST FOR SARA 311

- 1330-20-7 Xylol

MASSACHUSETTS RIGHT TO KNOW

- 14807-96-6 Talc 22 %
- 616-38-6 Dimethyl carbonate 15 %
- 108-10-1 Hexone 10 %
- 1332-58-7 Kaolin 7 %
- 95-63-6 Benzene, 1,2,4-trimethyl- 4 %
- 1330-20-7 Xylol 3 %
- 100-41-4 Benzene, ethyl- 1 %

NEW JERSEY RIGHT TO KNOW

- 14807-96-6 Talc 22 %
- 616-38-6 Dimethyl carbonate 15 %
- 108-10-1 Hexone 10 %
- 1332-58-7 Kaolin 7 %
- 95-63-6 Benzene, 1,2,4-trimethyl- 4 %
- 1330-20-7 Xylol 3 %
- 100-41-4 Benzene, ethyl- 1 %

PENNSYLVANIA RIGHT TO KNOW

- 14807-96-6 Talc 22 %
- 616-38-6 Dimethyl carbonate 15 %
- 108-10-1 Hexone 10 %
- 1332-58-7 Kaolin 7 %
- 95-63-6 Benzene, 1,2,4-trimethyl- 4 %
- 1330-20-7 Xylol 3 %
- 100-41-4 Benzene, ethyl- 1 %



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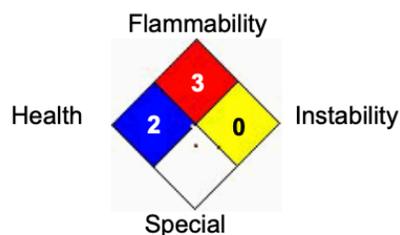
COUNTRY REGULATION ALL COMPONENTS LISTED

EU RISK PHRASES - NONE
SAFETY PHRASE - NONE

SECTION 16. Other Information

HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

HEALTH	2	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	3	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	H	



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