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SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name: Eastman(TM) Chlorinated Polyolefin 515-2 (40% in Aromatic 100)

Product No.: EAN 440456. P103810S

Synonyms, Trade Names: 10381-00

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Adhesion promoter **Uses advised against:** None known.

Details of the supplier of the safety data sheet

Manufacturer / Supplier

Eastman Chemical Company 200 South Wilcox Drive Kingsport, TN 37660-5280 US +14232292000

Visit our website at www.EASTMAN.com or email emnmsds@eastman.com

Emergency telephone number:

For emergency health, safety, and environmental information, call 1-423-229-4511 or 1-423-229-2000.

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300 or call 423-229-2000.

SECTION 2: Hazards identification

Hazard Classification:

Physical Hazards

Flammable liquids Category 3

Health Hazards

Acute toxicity (Inhalation)

Skin Corrosion/Irritation

Category 2

Serious Eye Damage/Eye Irritation

Category 2

Carcinogenicity

Category 2

Specific Target Organ Toxicity
Category 3

Single Exposure

Aspiration Hazard Category 1

OSHA Specified Hazards: not applicable

Warning label items including precautionary statement:

Pictogram:



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Signal Words: DANGER!

Hazard Statement(s): H226: Flammable liquid and vapor.

H332: Harmful if inhaled. H315: Causes skin irritation.

H319: Causes serious eye irritation. H351: Suspected of causing cancer. H336: May cause drowsiness or dizziness.

H304: May be fatal if swallowed and enters airways.

Precautionary Statement:

Prevention: P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and

understood.

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P280: Wear protective gloves/protective clothing/eye protection/face

protection.

P260: Do not breathe dust/fume/gas/mist/vapors/spray. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area.

Response: P308+P313: IF exposed or concerned: Get medical advice/attention.

P370 + 378: In case of fire: Use water spray, carbon dioxide, dry chemical

or foam for extinction.

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.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P314: Get medical advice/attention if you feel unwell.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or

doctor/physician.

P331: Do NOT induce vomiting.

Storage: P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.



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Disposal: P501: Dispose of contents/container to an appropriate treatment and

disposal facility in accordance with applicable laws and regulations, and

product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC):

Can decompose at elevated temperatures.

SECTION 3: Composition/information on ingredients

Substances / Mixtures

General information:

Chemical name	Concentration	Additional identification	Notes
light aromatic solvent naphtha, petroleum	38%	CAS-No.: 64742-95-6	
chlorinated polyolefin	>35%	CAS-No.: 68442-33-1	
1,2,4-trimethylbenzene	19.2%	CAS-No.: 95-63-6	#
chlorobenzene	<4%	CAS-No.: 108-90-7	#
epoxidized oil	<4%	CAS-No.: 61789-01-3	
xylene	<1.4%	CAS-No.: 1330-20-7	#
cumene	0.9%	CAS-No.: 98-82-8	#
ethylbenzene	<0.5%	CAS-No.: 100-41-4	#

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4: First aid measures

Description of first aid measures

Inhalation: Move to fresh air. If breathing stops, provide artificial respiration. If

breathing is difficult, give oxygen. Get medical attention immediately.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do,

remove contact lenses. Get medical attention.

Skin contact: Immediately flush with plenty of water for at least 15 minutes while

removing contaminated clothing and shoes. Get medical attention. Wash

contaminated clothing before reuse. Destroy or thoroughly clean

contaminated shoes.

Ingestion: Call a physician or poison control center immediately. Do NOT induce

vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head

lower than the hips to help prevent aspiration.

Most important symptoms and effects, both acute and

delayed:

May irritate and cause redness and pain. Narcotic effect. Symptoms may be

delayed.

Indication of any immediate medical attention and special treatment needed

Hazards: Vapors have a narcotic effect and may cause headache, fatigue, dizziness

and nausea. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.

[#] This substance has workplace exposure limit(s).



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Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

General Fire Hazards: Combustible liquid and vapor. USE WATER WITH CAUTION. Material will

float and may ignite on surface of water.

Extinguishing media

Suitable extinguishing

media:

Water spray. Dry chemical. Carbon Dioxide. Foam.

Unsuitable extinguishing

media:

None known.

Special hazards arising from

the substance or mixture:

Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Elevated

temperatures can cause decomposition.

Advice for firefighters

Special fire fighting

procedures:

Water may be ineffective in fighting the fire. Use water spray to keep fire-

exposed containers cool.

Special protective

equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be

worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions,

protective equipment and emergency procedures:

Wear appropriate personal protective equipment.

Environmental Precautions: Avoid release to the environment.

Methods and material for containment and cleaning

up:

Eliminate sources of ignition. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Large Spillages: Flush spill area with water spray. Prevent runoff from entering drains,

sewers, or streams. Dike for later disposal.

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in

accordance with all applicable regulations.

SECTION 7: Handling and storage:

Precautions for safe handling: Avoid breathing mists or vapors. Avoid contact with eyes, skin, and

clothing. Do not taste or swallow. Use only with adequate ventilation. Wash

thoroughly after handling.

Conditions for safe storage,

including any incompatibilities:

Keep container tightly closed and in a well-ventilated place. Keep away from food, drink and animal feeding stuffs. Storage of solutions near 25°C will minimize haze and gel formation. Solutions may become hazy, partially precipitate from solution, or gel with time on exposure to low temperature. Warming the contents, while keeping away from sparks and open flame, to approximately 38-49°C with mild agitation will generally return the product

to its original condition.



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Specific end use(s): Adhesion promoter

SECTION 8: Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Country specific exposure limits have not been established or are not applicable unless listed below.

Chemical name	type	Exposure Limit Values		Source
1,2,4-Trimethylbenzene	TWA	25 ppm		US. ACGIH Threshold Limit Values (01 2010)
chlorobenzene	TWA	10 ppm		US. ACGIH Threshold Limit Values (01 2010)
	PEL	75 ppm	350 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
xylene, m-xylene, o- xylene, p-xylene	TWA	100 ppm		US. ACGIH Threshold Limit Values (01 2010)
	STEL	150 ppm		US. ACGIH Threshold Limit Values (01 2010)
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
cumene	TWA	50 ppm		US. ACGIH Threshold Limit Values (01 2010)
	PEL	50 ppm	245 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
ethylbenzene	TWA	20 ppm		US. ACGIH Threshold Limit Values (12 2010)
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

Biological Limit Values

Chemical name	Exposure Limit Values	Source	
chlorobenzene (4- Chlorocatechol, with hydrolysis: Sampling time: End of shift at end of work week.)	100 mg/g (Creatinine in urine)	ACGIH BEL (01 2010)	
chlorobenzene (p- Chlorophenol, with hydrolysis: Sampling time: End of shift at end of work week.)	20 mg/g (Creatinine in urine)	ACGIH BEL (01 2010)	

Exposure controls

Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information: Eye bath. Washing facilities. Safety shower.

Eye/face protection: Wear safety glasses with side shields (or goggles).



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Skin protection

Hand Protection: Wear chemical-resistant gloves, footwear, and protective clothing

appropriate for the risk of exposure. Contact health and safety professional

or manufacturer for specific information.

Other: No data available.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below

recommended exposure limits (where applicable) or to an acceptable level

(in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Airpurifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and

safety professional or manufacturer for specific information.

Hygiene measures: Observe good industrial hygiene practices.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state: liquid

Form: Viscous Liquid

Color: Amber Odor: Odorless

Odor Threshold:Not determined.pH:No data available.Melting PointNo data available.

Boiling Point: 155 °C

Flash Point: 42 °C (Tag closed cup)

Evaporation Rate:

Flammability (solid, gas):

Flammability Limit - Upper (%)—:

Flammability Limit - Lower (%)—:

Vapor pressure:

Vapor density (air=1):

Specific Gravity:

Not determined.

No data available.

No data available.

O.94 (20 °C)

Solubility(ies)

Solubility in Water: Negligible

Solubility (other):

Partition coefficient (n-octanol/water):

Autoignition Temperature:

No data available.

No data available.

Decomposition Temperature: 300 °C (HPDSC) 134 J/g

Dynamic viscosity:No data available.
Kinematic viscosity:
Not determined.



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Explosive properties: No data available. **Oxidizing properties:** No data available.

Other information

Minimum ignition temperature: 471 °C

SECTION 10: Stability and reactivity

Reactivity: None known.

Chemical Stability: Stable

Possibility of Hazardous

Reactions:

Can decompose at elevated temperatures.

Conditions to Avoid: Heat, sparks, flames.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition

Carbon Dioxide. Carbon Monoxide. hydrogen chloride Chlorinated **Products:** compounds.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: Harmful if inhaled. May cause drowsiness or dizziness.

Ingestion: No data available.

Skin contact: Causes skin irritation.

Eve contact: Causes serious eye irritation.

Information on toxicological effects

Oral

Product: No data available.

Specified substance(s):

Oral LD-50: (Rat): > 5,000 mg/kg Solvent naphtha

(petroleum), light arom.; Low boiling point naphtha -

unspecified

Specified substance(s):

Oral LD-50: (Rat, Male.): 6,000 mg/kg 1,2,4-Trimethylbenzene

Specified substance(s):

Oral LD-50: (Rat): 2,262 mg/kg chlorobenzene

Specified substance(s):

Oral LD-50: (Rat): > 3,200 mg/kg epoxidized oil Oral LD-50: (Mouse): > 3,200 mg/kg

Specified substance(s):

Oral LD-50: (Rat, Male.): 3,523 mg/kg xylene, m-xylene, o-xylene, Oral LD-50: (Rat, Female.): > 4,000 mg/kg p-xylene

Specified substance(s):

Oral LD-50: (Rat): 2,910 mg/kg cumene



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Specified substance(s):

Oral LD-50: (Rat): 3,500 mg/kg ethylbenzene

Dermal

Product: No data available.

Specified substance(s):

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha

unspecified

Specified substance(s):

Dermal LD-50: (Rat): > 3,440 mg/kg 1,2,4-Trimethylbenzene Read-across from a similar material

Specified substance(s):

Dermal LD-50: (Guinea Pig): > 20,000 mg/kg chlorobenzene

Specified substance(s):

xylene, m-xylene, oxylene, p-xylene

Dermal LD-50: (Rabbit): > 4,200 mg/kg

Dermal LD-50: (Rabbit): > 2,000 mg/kg

Specified substance(s):

Dermal LD-50: (Rabbit): > 10,000 mg/kg cumene

Specified substance(s):

Dermal LD-50: (Rabbit): 15,400 mg/kg ethylbenzene

Inhalation

Product: No data available.

Specified substance(s):

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -

unspecified

Specified substance(s):

LC50 (Rat, 4 h): 18 mg/l Respiratory tract irritation. 1,2,4-Trimethylbenzene

Specified substance(s):

LC50 (Rat, 4 h): 29.7 mg/l chlorobenzene

Specified substance(s):

xylene, m-xylene, o-xylene,

LC50 (Rat, 4 h): 6700 ppm

LC50 (Rat, 4 h): > 76.3 mg/l

p-xylene

Specified substance(s):

LC50 (Rat, 4 h): 41.6 mg/l cumene

Specified substance(s):

LC50 (Rat, 4 h): 4000 ppm ethylbenzene

Repeated dose toxicity

Product: No data available.

Specified substance(s):

NOAEL (Rat(Male and Female), Oral Study): 250 mg/kg xylene, m-xylene, o-xylene,

NOAEC (Rat(Male.), Inhalation): 3515 mg/m³ p-xylene



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Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Solvent naphtha (Rabbit, 72 h): moderate (petroleum), light arom.:

Low boiling point naphtha - unspecified

Specified substance(s):

1,2,4-Trimethylbenzene (Rabbit, 72 h): moderate Read-across from a similar material

Specified substance(s):

chlorobenzene (Guinea Pig, 24 h): moderate

Specified substance(s):

epoxidized oil (Guinea Pig, 24 h): Slight

Specified substance(s):

xylene, m-xylene, o- (Rabbit, 24 h): moderate xylene, p-xylene

Specified substance(s):

cumene (Rabbit, 72 h): Slight

Specified substance(s):

ethylbenzene (Rabbit, 24 h): moderate

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Solvent naphtha (Rabbit): none

(petroleum), light arom.; Low boiling point naphtha

- unspecified

Specified substance(s):

1.2.4-Trimethylbenzene (Rabbit): moderate

Specified substance(s):

chlorobenzene (Rabbit): moderate

Specified substance(s):

epoxidized oil (Rabbit): Slight

Specified substance(s):

xylene, m-xylene, o- (Rabbit, 24 h): slight to moderate

xylene, p-xylene Specified substance(s):

cumene (Rabbit, 72 h): slight

Specified substance(s):

ethylbenzene (Rabbit): moderate to strong

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):



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Skin Sensitization: (Guinea Pig): non-sensitizing Solvent naphtha

(petroleum), light arom.; Low boiling point naphtha

- unspecified

Specified substance(s):

Skin Sensitization: (Guinea Pig): non-sensitizing 1,2,4-Trimethylbenzene

Specified substance(s):

Skin Sensitization: (Guinea Pig): non-sensitizing

chlorobenzene Specified substance(s):

Skin Sensitization: (Guinea Pig): non-sensitizing

Specified substance(s):

epoxidized oil

xylene, m-xylene, oxylene, p-xylene

OECD 429: LLNA (mouse): non-sensitizing

Specified substance(s):

Skin Sensitization: (Guinea Pig): non-sensitizing cumene

Specified substance(s):

Skin Sensitization: (Human): non-sensitizing ethylbenzene

Carcinogenicity

Product: No data available.

Specified substance(s):

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -

unspecified

Specified substance(s):

IARC Not Listed, NTP Not Listed, OSHA Not Listed. chlorobenzene

Specified substance(s):

IARC 2B: possibly carcinogenic to humans. NTP reasonably anticipated to cumene

IARC Not Listed, NTP Not Listed, OSHA Not Listed.

be a carcinogen. OSHA Not Listed. Expert judgment and weight of evidence

determination: Not classified

Specified substance(s):

IARC 2B: possibly carcinogenic to humans. NTP Not Listed. OSHA Not ethylbenzene

Listed. Expert judgment and weight of evidence determination: Not classified

Toxicity to reproduction

Product: No data available.

Developmental toxicity

Product: No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s):

xylene, m-xylene, o-xylene, p-xylene

Salmonella typhimurium assay (Ames test) (Bacterial Reverse Mutation Assay):

negative



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In vivo

Product: No data available.

Specified substance(s):

xylene, m-xylene, o-xylene, Chromosomal aberration (Genetic Toxicology: Rodent Dominant Lethal Test)

p-xylene intraperitoneal injection (Rat): negative

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s):

chlorobenzene Inhalation: Narcotic effect.

Specified substance(s):

xylene, m-xylene, o-xylene, Inhalation: Respiratory tract irritation.

p-xylene

Specified substance(s):

ethylbenzene Inhalation: Narcotic effect.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s):

Solvent naphtha May be fatal if swallowed and enters airways.

(petroleum), light arom.; Low

boiling point naphtha -

unspecified

Specified substance(s):

1,2,4-Trimethylbenzene May be harmful if swallowed and enters airways.

Specified substance(s):

chlorobenzene May be harmful if swallowed and enters airways.

May be fatal if swallowed and enters airways.

Specified substance(s):

xylene, m-xylene, o-xylene,

xylerie, ili-xylerie, o-xylerie,

p-xylene

Specified substance(s):

cumene May be fatal if swallowed and enters airways.

Specified substance(s):

ethylbenzene May be fatal if swallowed and enters airways.

Other effects: No data available.

SECTION 12: Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Solvent naphtha LC-50 (Fathead Minnow, 96 h): 8.2 mg/l

(petroleum), light arom.; Low boiling point naphtha -

unspecified



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1,2,4-Trimethylbenzene LC-50 (Fathead Minnow, 96 h): 7.72 mg/l

chlorobenzene LC-50 (goldfish, 96 h): 73.03 mg/l

xylene, m-xylene, o-xylene,

p-xylene

LC-50 (Oncorhynchus mykiss, 96 h): 2.6 mg/l Read-across from a similar material

cumene LC-50 (Common Carp, 96 h): 4.8 mg/l

LC-50 (Fish, 96 h): 4.918 mg/l

ethylbenzene LC-50 (Sheepshead Minnow, 96 h): 275 mg/l

LC-50 (Fathead Minnow, 96 h): 42.3 - 48.5 mg/l

LC-50 (Guppy, 96 h): 97.1 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -

unspecified

EC-50 (Water Flea, 48 h): 4.5 mg/l

1,2,4-Trimethylbenzene LC-50 (Water Flea, 48 h): 3.6 mg/l

chlorobenzene EC-50 (daphnid, 48 h): 4.3 mg/l

xylene, m-xylene, o-xylene,

p-xylene

EC-50 (Water Flea, 24 h): > 3.4 mg/l

cumene EC-50 (Water Flea, 48 h): 2.14 mg/l

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

xylene, m-xylene, o-xylene,

p-xylene

NOEC (Oncorhynchus mykiss, 56 d): > 1.3 mg/l

cumene NOEC (Zebra Fish, 28 d): 0.38 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -

unspecified

EC-50 (Water Flea, 21 d): 10 mg/l

xylene, m-xylene, o-xylene,

p-xylene

NOEC (Water Flea, 7 d): 0.96 mg/l

cumene NOEC (Water Flea, 21 d): 0.35 mg/l

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Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s):

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha unspecified EC-50 (Selenastrum capricornutum, 72 h): 3.1 mg/l

1,2,4-Trimethylbenzene

EC-50 (Alga, 96 h): 2.356 mg/l

xylene, m-xylene, o-xylene,

p-xylene

EC-50 (Selenastrum capricornutum, 72 h): 2.2 mg/l NOEC: (Selenastrum capricornutum, 72 h): 0.44 mg/l

cumene ErC50 (Scenedesmus subspicatus, 72 h): 2.01 mg/l

NOEC (Scenedesmus subspicatus, 72 h): 1.49 mg/l

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

Solvent naphtha (petroleum), light arom.; Low

boiling point naphtha -

unspecified

74 % (28 d)

1,2,4-Trimethylbenzene 8 - 14 % (28 d)

xylene, m-xylene, o-xylene,

p-xylene

Readily biodegradable

cumene 70 % (20 d)

ethylbenzene Readily biodegradable

BOD/COD Ratio

Product: No data available.

Specified substance(s):

chlorobenzene 7.32 %

Bioaccumulative Potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):

1,2,4-Trimethylbenzene Bioconcentration Factor (BCF): 33 - 275

cumene Bioconcentration Factor (BCF): 94.69

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

xylene, m-xylene, o-xylene, Log Kow: 3.12 - 3.20

p-xylene



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ethylbenzene Log Kow: 3.15

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

SECTION 13: Disposal considerations

Waste treatment methods

General information: No data available.

Disposal methods: Dispose of waste and residues in accordance with local authority

requirements. Mix with compatible chemical which is less flammable and incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on

ignition; do not cut, drill, grind, or weld on or near this container.

SECTION 14: Transport information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT

Class combustible liquid, Packing Group III for quantities greater than or equal to the Reportable Quantity amount, not regulated if less than 450 liters (119 gallons) and less than the Reportable Quantity amount in one package.

Reportable Quantity: 1,135 kg (chlorobenzene)

Possible Shipping Description(s):

not regulated

NA 1993 Combustible liquid, n.o.s. (1,2,4-trimethylbenzene,xylene) III

IMDG - International Maritime Dangerous Goods Code

Possible Shipping Description(s):

UN 1139 COATING SOLUTION 3 III

IATA



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Possible Shipping Description(s):

UN 1139 Coating solution 3 III

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture.:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS (Canada) Status: controlled

WHMIS (Canada) Hazard Classification: B/3, D/1/B, D/2/A, D/2/B

SARA 311-312 Hazard Classification(s):

immediate (acute) health hazard delayed (chronic) health hazard fire hazard

US EPCRA (SARA Title III) Section 313 - Toxic Chemical List

1,2,4-TRIMETHYLBENZENE CHLOROBENZENE XYLENE (MIXED ISOMERS) CUMENE ETHYLBENZENE

OSHA: hazardous

TSCA (US Toxic Substances Control Act): All components of this product are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): All components of this product are listed on the DSL. Any impurities present in this product are exempt from listing.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): All components of this product are listed on AICS or otherwise comply with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): All components of this product are listed in the Handbook or have been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): All components of this product are listed on the Korean inventory or otherwise comply with the Korean Toxic Substances Control Act.

Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).



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SECTION 16: Other information

HMIS® Hazard Ratings: Health - 2, Flammability - 2, Chemical Reactivity - 1

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

Revision Information: Not relevant.

Key literature references and

sources for data:

No data available.

Training information: No data available.

Issue Date: 05/19/2015

SDS No.:

Disclaimer: This information is provided without warranty. The information is believed to

be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.