SAFETY DATA SHEET

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

Product identifier

Product name: Chlorinated Polyolefin 730-1 (20% Solids in Aromatic 100)

Product No.: EAN 978652. E2493808

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

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Specific Target Organ Toxicity - Single Exposure	Category 3
Specific Target Organ Toxicity - Repeated Exposure	Category 2
Aspiration Hazard	Category 1

OSHA Specified Hazards: not applicable

Warning label items including precautionary statement:

Pictogram:

Signal Words: DANGER!

Hazard Statement(s):
H226: Flammable liquid and vapor.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H373: May cause damage to organs (auditory organ) through prolonged or repeated exposure.
H304: May be fatal if swallowed and enters airways.

Precautionary Statement:

Prevention:
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.
P271: Use only outdoors or in a well-ventilated area.
P264: Wash hands thoroughly after handling.

Response:
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.
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.
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.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331: Do NOT induce vomiting.

Storage:
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

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	>50%	CAS-No.: 64742-95-6	
1,2,4-trimethylbenzene	25.6%	CAS-No.: 95-63-6	#
modified chlorinated polyolefin	>18.0%	CAS-No.: CAS-No: 68609-36-9	
epoxidized oil	<3%	CAS-No.: 61789-01-3	
chlorobenzene	<3%	CAS-No.: 108-90-7	#
xylene	1.8%	CAS-No.: 1330-20-7	#
cumene	1.2%	CAS-No.: 98-82-8	#
ethylbenzene	0.6%	CAS-No.: 100-41-4	#

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
# This substance has workplace exposure limit(s).

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. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.

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. Respiratory tract irritation. Symptoms may be delayed.

Indication of any immediate medical attention and special treatment needed

Hazards: None known.

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

General Fire Hazards:	Flammable 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. Exercise caution if heating, especially in a closed container.
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. Warming the contents, while keeping away from sparks and open flame, to approximately 38-49°C Resolution of thickening or separating may be accomplished through warming with agitation. Solutions may become hazy, partially precipitate from solution, or gel with time on exposure to low temperature.
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. Safety shower. Washing facilities.

Eye/face protection: Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

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: Air-purifying 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:	liquid
Color:	Yellow
Odor:	Aromatic
Odor Threshold:	Not determined.
pH:	No data available.
Melting Point	No data available.
Boiling Point:	155 °C
Flash Point:	40.0 °C (Pensky-Martens Closed Cup)
Evaporation Rate:	Not determined.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)–:	No data available.
Flammability Limit - Lower (%)–:	No data available.
Vapor pressure:	Not determined.
Vapor density (air=1):	No data available.
Specific Gravity:	< 1
Solubility(ies)	
Solubility in Water:	Negligible
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	300 °C (HPDSC) 134 J/g
Dynamic viscosity:	No data available.
Kinematic viscosity:	Not determined.

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

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

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	May cause respiratory irritation.
Ingestion:	May be fatal if swallowed and enters airways.
Skin Contact:	Causes skin irritation.
Eye contact:	Causes serious eye irritation.

Information on toxicological effects

Oral

Product:	No data available.
Specified substance(s): Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	Oral LD-50: (Rat): > 5,000 mg/kg
Specified substance(s): 1,2,4-Trimethylbenzene	Oral LD-50: (Rat, Male.): 6,000 mg/kg
Specified substance(s): epoxidized oil	Oral LD-50: (Rat): > 3,200 mg/kg Oral LD-50: (Mouse): > 3,200 mg/kg
Specified substance(s): chlorobenzene	Oral LD-50: (Rat): 2,262 mg/kg
Specified substance(s): xylene, m-xylene, o-xylene, p-xylene	Oral LD-50: (Rat, Male.): 3,523 mg/kg Oral LD-50: (Rat, Female.): > 4,000 mg/kg
Specified substance(s): cumene	Oral LD-50: (Rat): 2,910 mg/kg
Specified substance(s): ethylbenzene	Oral LD-50: (Rat): 3,500 mg/kg

Dermal

Product:	No data available.
Specified substance(s): Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	Dermal LD-50: (Rabbit): > 2,000 mg/kg
Specified substance(s): 1,2,4-Trimethylbenzene	Dermal LD-50: (Rat): > 3,440 mg/kg Read-across from a similar material
Specified substance(s): chlorobenzene	Dermal LD-50: (Guinea Pig): > 20,000 mg/kg
Specified substance(s): xylene, m-xylene, o-xylene, p-xylene	Dermal LD-50: (Rabbit): > 4,200 mg/kg
Specified substance(s): cumene	Dermal LD-50: (Rabbit): > 10,000 mg/kg
Specified substance(s): ethylbenzene	Dermal LD-50: (Rabbit): 15,400 mg/kg

Inhalation

Product:	No data available.
Specified substance(s): Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	LC50 (Rat, 4 h): > 76.3 mg/l
Specified substance(s): 1,2,4-Trimethylbenzene	LC50 (Rat, 4 h): 18 mg/l Respiratory tract irritation.
Specified substance(s): chlorobenzene	LC50 (Rat, 4 h): 29.7 mg/l
Specified substance(s): xylene, m-xylene, o-xylene, p-xylene	LC50 (Rat, 4 h): 6700 ppm
Specified substance(s): cumene	LC50 (Rat, 4 h): 41.6 mg/l
Specified substance(s): ethylbenzene	LC50 (Rat, 4 h): 4000 ppm

Repeated dose toxicity

Product:	No data available.
Specified substance(s): xylene, m-xylene, o-xylene, p-xylene	NOAEL (Rat(Male and Female), Oral Study): 250 mg/kg NOAEC (Rat(Male.), Inhalation): 3515 mg/m³

Skin Corrosion/Irritation

Product:	No data available.

Specified substance(s):
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified — (Rabbit, 72 h): moderate

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

Specified substance(s):
epoxidized oil — (Guinea Pig, 24 h): Slight

Specified substance(s):
chlorobenzene — (Guinea Pig, 24 h): moderate

Specified substance(s):
xylene, m-xylene, o-xylene, p-xylene — (Rabbit, 24 h): moderate

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 (petroleum), light arom.; Low boiling point naphtha - unspecified — (Rabbit): none

Specified substance(s):
1,2,4-Trimethylbenzene — (Rabbit): moderate

Specified substance(s):
epoxidized oil — (Rabbit): Slight

Specified substance(s):
chlorobenzene — (Rabbit): moderate

Specified substance(s):
xylene, m-xylene, o-xylene, p-xylene — (Rabbit, 24 h): slight to moderate

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):
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified — Skin Sensitization: (Guinea Pig): non-sensitizing

Specified substance(s):
1,2,4-Trimethylbenzene — Skin Sensitization: (Guinea Pig): non-sensitizing

Specified substance(s):
epoxidized oil — Skin Sensitization: (Guinea Pig): non-sensitizing

Specified substance(s):
chlorobenzene — Skin Sensitization: (Guinea Pig): non-sensitizing

Specified substance(s):
xylene, m-xylene, o-xylene, p-xylene — OECD 429: LLNA (mouse): non-sensitizing

Specified substance(s):
cumene — Skin Sensitization: (Guinea Pig): non-sensitizing

Specified substance(s):
ethylbenzene — Skin Sensitization: (Human): non-sensitizing

Carcinogenicity

Product: No data available.

Specified substance(s):
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified — IARC Not Listed. NTP Not Listed. OSHA Not Listed.

Specified substance(s):
chlorobenzene — IARC Not Listed. NTP Not Listed. OSHA Not Listed.

Specified substance(s):
cumene — IARC 2B: possibly carcinogenic to humans. NTP reasonably anticipated to be a carcinogen. OSHA Not Listed. Expert judgment and weight of evidence determination: Not classified

Specified substance(s):
ethylbenzene — IARC 2B: possibly carcinogenic to humans. NTP Not Listed. OSHA Not 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

In vivo

Product:	No data available.
Specified substance(s): xylene, m-xylene, o-xylene, p-xylene	Chromosomal aberration (Genetic Toxicology: Rodent Dominant Lethal Test) 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, p-xylene	Inhalation: Respiratory tract irritation.
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 (petroleum), light arom.; Low boiling point naphtha - unspecified	May be fatal if swallowed and enters airways.
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.
Specified substance(s): xylene, m-xylene, o-xylene, p-xylene	May be fatal if swallowed and enters airways.
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:	May cause internal organ effects.

SECTION 12: Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product:	No data available.
Specified substance(s): Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	LC-50 (Fathead Minnow, 96 h): 8.2 mg/l

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

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, p-xylene	Log Kow: 3.12 - 3.20

ethylbenzene	Log Kow: 3.15

Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	No data available.
1,2,4-Trimethylbenzene	No data available.
modified chlorinated polyolefin	No data available.
epoxidized oil	No data available.
chlorobenzene	No data available.
xylene, m-xylene, o-xylene, p-xylene	No data available.
cumene	No data available.
ethylbenzene	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: 1,513 kg (chlorobenzene)
Possible Shipping Description(s):

not regulated

NA 1993 Combustible liquid, n.o.s. (light aromatic solvent naphtha, petroleum) III

IMDG - International Maritime Dangerous Goods Code

Possible Shipping Description(s):

UN 1139 COATING SOLUTION 3 III

IATA

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/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.

Philippines Inventory (PICCS) : All components of this product are listed on the Philippine inventory or otherwise comply with PICCS.

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

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:	05/06/2015
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.