

Version 1.5 PRD Revision Date: 01/14/2020

SDS Number: 150000048982 SDSUS / Z8 / 0001 Date of last issue: 11/11/2018 Date of first issue: 09/06/2016

### **SECTION 1. IDENTIFICATION**

Product name : Eastman(TM) Chlorinated Polyolefin 730-1 (20% Solids in

Xylene)

Product code : 24939-A0, E24939A2, E24939A4, E24939A5, E24939A6,

S2493903, S2493904, S2493907

Manufacturer or supplier's details

Company name of supplier : Eastman Chemical Company

Address : 200 South Wilcox Drive

Kingsport TN 37660-5280

Telephone : (423) 229-2000

Emergency telephone : CHEMTREC: +1-800-424-9300, +1-703-527-3887 CCN7321

Recommended use of the chemical and restrictions on use

Recommended use : Adhesion promoter

Restrictions on use : None known.

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with 29 CFR 1910.1200

Flammable liquids : Category 3

Acute toxicity (Inhalation) : Category 4

Acute toxicity (Dermal) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Specific target organ toxicity

- single exposure

Category 3 (Respiratory system)

Specific target organ toxicity

- repeated exposure

Category 2 (hearing organs)

Aspiration hazard : Category 1

**GHS** label elements



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Hazard pictograms







Signal Word : Danger

Hazard Statements : H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways. H312 + H332 Harmful in contact with skin or if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation. H335 May cause respiratory irritation.

H373 May cause damage to organs (hearing organs) through

prolonged or repeated exposure.

**Precautionary Statements** 

### 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.

P260 Do not breathe dust/fume/ gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

#### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON

CENTER/doctor if you feel unwell.

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

P314 Get medical advice/ attention if you feel unwell.

P331 Do NOT induce vomiting.

P332 + P313 If skin irritation occurs: Get medical advice/ atten-

tion.

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

P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Storage:



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P403 + P233 Store in a well-ventilated place. Keep container

tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste dis-

posal plant.

Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Components

Chemical name	CAS-No.	Concentration (% w/w)
xylene	1330-20-7	< 80
modified chlorinated polyolefin	68609-36-9	< 20
ethylbenzene	100-41-4	< 20
chlorobenzene	108-90-7	< 2.5
epoxidized oil	61789-01-3	< 3

### **SECTION 4. FIRST AID MEASURES**

If inhaled : Remove to fresh air.

If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/ attention.

In case of skin contact : Wash off immediately with plenty of water for at least 15

minutes.

Get medical advice/ attention.

Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water

for at least 15 minutes.

Get medical advice/ attention.

If swallowed : Seek medical advice.

Most important symptoms and effects, both acute and

delayed

May be fatal if swallowed and enters airways.

Causes skin irritation.

Harmful in contact with skin or if inhaled.

Causes serious eye irritation. May cause respiratory irritation.

May cause damage to organs through prolonged or repeated

exposure.

Notes to physician : Treat symptomatically.



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#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media Use water spray to extinguish.

Dry chemical

Carbon dioxide (CO2)

Foam

Unsuitable extinguishing

media

None known.

Hazardous combustion prod-

No hazardous combustion products are known

Further information Flammable liquid and vapor.

Material will float and may ignite on surface of water.

Special protective equipment

for fire-fighters

Wear an approved positive pressure self-contained breathing

apparatus in addition to standard fire fighting gear.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

tive equipment and emer-

gency procedures

Personal precautions, protec: Wear appropriate personal protective equipment.

Avoid release to the environment. Environmental precautions

Methods and materials for containment and cleaning up Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local /

national regulations (see section 13).

### **SECTION 7. HANDLING AND STORAGE**

Do not breathe vapors or spray mist. Advice on safe handling

Do not taste or swallow.

Avoid contact with skin, eyes and clothing.

Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage Keep container tightly closed and in a well-ventilated place.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	



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		exposure)	concentration	
xylene	1330-20-7	TWA	100 ppm	OSHA Z-1
			435 mg/m3	
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		STEL	150 ppm	OSHA P0
			655 mg/m3	
		TWA	100 ppm	OSHA P0
			435 mg/m3	
		TWA	100 ppm	ACGIH
			435 mg/m3	
		STEL	150 ppm	OSHA Z-1
			655 mg/m3	
		STEL	150 ppm	ACGIH
		TWA	100 ppm	OSHA Z-1
			435 mg/m3	
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		STEL	150 ppm	OSHA P0
			655 mg/m3	
		TWA	100 ppm	OSHA P0
	100 11 1	77.4.4	435 mg/m3	4.00#1
ethylbenzene	100-41-4	TWA	20 ppm	ACGIH
		TWA	100 ppm	NIOSH REL
			435 mg/m3	1110011 551
		ST	125 ppm	NIOSH REL
			545 mg/m3	00114 = 1
		TWA	100 ppm	OSHA Z-1
		77.4.4	435 mg/m3	00114 D0
		TWA	100 ppm	OSHA P0
		OTEL	435 mg/m3	00114 D0
		STEL	125 ppm	OSHA P0
	400.00.7	TDA/A	545 mg/m3	A C C II I
chlorobenzene	108-90-7	TWA	10 ppm	ACGIH OSHA Z-1
		IVVA	75 ppm	USHA Z-1
		T) (/ A	350 mg/m3	OCIIA DO
		TWA	75 ppm	OSHA P0
			350 mg/m3	

### Engineering measures

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.

### Personal protective equipment

Respiratory protection : If engineering controls do not maintain airborne

concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where



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exposure limits have not been established), an approved

respirator must be worn.

Hand protection

Remarks : Wear suitable gloves.

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

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Color : yellow

Odor : slight, aromatic

Odor Threshold : not determined

pH : not determined

Melting point/range :

Boiling point/boiling range : 275 °F / 135 °C

Flash point : 79 °F / 26 °C

Method: Pensky-Martens closed cup

Evaporation rate : not determined

Upper explosion limit / Upper

flammability limit

not determined

Lower explosion limit / Lower

flammability limit

not determined

Vapor pressure : not determined

Relative vapor density : not determined

Relative density : < 1

(estimated)

Solubility(ies)

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# Eastman(TM) Chlorinated Polyolefin 730-1 (20% Solids in Xylene)

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Water solubility : negligible

Partition coefficient: n-

octanol/water

: No data available

Autoignition temperature : not determined

Decomposition temperature : Method: DSC

No exotherm to 450°C

Viscosity

Viscosity, dynamic : 300 - 400 mPa.s (77 °F / 25 °C)

Viscosity, kinematic : 157 - 210 mm2/s

Explosive properties : No data available

Oxidizing properties : No data available

### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Stable

Chemical stability : Stable under normal conditions.

Possibility of hazardous reac-

tions

None known.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition

products

Carbon dioxide (CO2) Carbon monoxide

hydrogen chloride

### **SECTION 11. TOXICOLOGICAL INFORMATION**

### Acute toxicity

Harmful in contact with skin or if inhaled.

**Product:** 

Acute oral toxicity : Acute toxicity estimate: 4,345 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 14.1 mg/l

Exposure time: 4 h
Test atmosphere: vapor
Method: Calculation method



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Acute dermal toxicity : Acute toxicity estimate: 1,834 mg/kg

Method: Calculation method

**Components:** 

xylene:

Acute oral toxicity : LD50 Oral (Rat, male): 3,523 mg/kg

ethylbenzene:

Acute oral toxicity : LD50 Oral (Rat): 3,500 mg/kg

Acute inhalation toxicity : LC50 (Rat): 17 mg/l

Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Rabbit): 15,400 mg/kg

chlorobenzene:

Acute oral toxicity : LD50 Oral (Rat): 2,262 mg/kg

Acute inhalation toxicity : LC50 (Rat): 29.7 mg/l

Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Guinea pig): > 20,000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

**Components:** 

xylene:

Species : Rabbit Exposure time : 24 h Result : slight

ethylbenzene:

Species : Rabbit Exposure time : 24 h Result : slight

chlorobenzene:

Species : Guinea pig
Exposure time : 24 h
Result : slight

Serious eye damage/eye irritation

Causes serious eye irritation.



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**Components:** 

xylene:

Species : Rabbit

Result : Severe irritation

Exposure time : 24 h

Remarks : Causes serious eye irritation.

ethylbenzene:

Species : Rabbit

Result : moderate to strong

chlorobenzene:

Species : Rabbit Result : slight

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

**Components:** 

xylene:

Test Type : OECD 429: LLNA

Species : Mouse

Result : non-sensitizing

ethylbenzene:

Test Type : Skin Sensitization Result : non-sensitizing

chlorobenzene:

Test Type : Skin Sensitization
Species : Guinea pig
Result : non-sensitizing

Germ cell mutagenicity

Not classified based on available information.

**Components:** 

xylene:

Genotoxicity in vitro : Test Type: Salmonella typhimurium assay (Ames test)

Metabolic activation: +/- activation

Method: Bacterial Reverse Mutation Assay



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Result: negative

Genotoxicity in vivo : Species: Rat

Application Route: intraperitoneal injection

Method: Genetic Toxicology: Rodent Dominant Lethal Test

Result: negative

chlorobenzene:

Genotoxicity in vitro : Test Type: Mutagenicity - Bacterial

Metabolic activation: +/- activation

Method: Bacterial Reverse Mutation Assay

Result: negative

Remarks: Published study

Test Type: Mutagenicity - Mammalian Metabolic activation: +/- activation

Method: In vitro Mammalian Chromosome Aberration Test

Result: negative

Remarks: Published study

Test Type: Mutagenicity - Mammalian Metabolic activation: +/- activation

Method: Genetic Toxicology: In Vitro Sister Chromatid Ex-

change Assay in Mammalian Cells

Result: negative

Remarks: Published study

Genotoxicity in vivo : Species: Drosophila melanogaster

Method: Genetic Toxicology: Sex-Linked Recessive Lethal

Test in Drosophila melanogaster

Result: negative

Remarks: Published study

### Carcinogenicity

Not classified based on available information.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is

identified as probable, possible or confirmed human carcinogen by IARC.

IARC Group 2B: Possibly carcinogenic to humans

ethylbenzene 100-41-4

OSHA No component of this product present at levels greater than or equal to 0.1% is

on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is

identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

Not classified based on available information.



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STOT-single exposure

May cause respiratory irritation.

**Components:** 

xylene:

Target Organs : respiratory tract irritation

ethylbenzene:

Routes of exposure : Inhalation
Target Organs : Narcotic effects

chlorobenzene:

Routes of exposure : Inhalation
Target Organs : Narcotic effects

STOT-repeated exposure

May cause damage to organs (hearing organs) through prolonged or repeated exposure.

**Components:** 

xylene:

Target Organs : Auditory system

chlorobenzene:

Routes of exposure : Oral

Assessment : Based on available data, the classification criteria are not met.

Repeated dose toxicity

**Components:** 

xylene:

Species : Rat, Male and Female

NOAEL : 250 mg/kg Application Route : Oral Study

Species : Rat, male

3515 mg/m<sup>3</sup>

Application Route : Inhalation

chlorobenzene:

Species : Rat, Male and Female

NOAEL : 120 mg/kg

Method : OECD Test No. 451: Carcinogenicity Studies

Remarks : Published study

Species : Rat, Male and Female

235 mg/m<sup>3</sup>

### SAFETY DATA SHEET



## Eastman(TM) Chlorinated Polyolefin 730-1 (20% Solids in Xylene)

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: OECD Test No. 416: Two-Generation Reproduction Toxicity

Study

Remarks : Published study

Aspiration toxicity

May be fatal if swallowed and enters airways.

**Components:** 

xylene:

Method

May be fatal if swallowed and enters airways.

ethylbenzene:

May be fatal if swallowed and enters airways.

chlorobenzene:

May be harmful if swallowed and enters airways.

Information on likely routes of exposure

**Product:** 

Inhalation : Remarks: Harmful if inhaled.

May cause respiratory irritation.

Skin contact : Remarks: Harmful in contact with skin.

Causes skin irritation.

Eye contact : Remarks: Causes serious eye irritation.

Ingestion : Remarks: May be fatal if swallowed and enters airways.

### **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

**Components:** 

xylene:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.6 mg/l

Exposure time: 96 h

Remarks: Read-across from a similar material

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 3.4 mg/l

Exposure time: 24 h

Toxicity to algae/aquatic

plants

EC50 (Selenastrum capricornutum): 2.2 mg/l

Exposure time: 72 h

NOEC: (Selenastrum capricornutum): 0.44 mg/l



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Exposure time: 72 h

Toxicity to fish (Chronic tox-

icity)

NOEC (Oncorhynchus mykiss (rainbow trout)): > 1.3 mg/l

Exposure time: 56 d

GLP: no

Toxicity to daphnia and other aquatic invertebrates (Chron-

ic toxicity)

NOEC (Daphnia magna (Water flea)): 0.96 mg/l

Exposure time: 7 d

ethylbenzene:

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): 275

mg/l

Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): 42.3 - 48.5

mg/l

Exposure time: 96 h

LC50 (Poecilia reticulata (guppy)): 97.1 mg/l

Exposure time: 96 h

chlorobenzene:

Toxicity to fish : LC50 (goldfish): 73.03 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (daphnid): 4.3 mg/l

Exposure time: 48 h

Toxicity to fish (Chronic tox-

icity)

NOEC (Danio rerio (zebra fish)): 4.8 mg/l

Exposure time: 28 d Remarks: Published study

Toxicity to daphnia and other : aquatic invertebrates (Chron-

ic toxicity)

NOEC (Daphnia magna (Water flea)): 0.32 mg/l

Exposure time: 16 d

Remarks: Published study

Persistence and degradability

Components:

xylene:

Biodegradability : Result: Readily biodegradable.

ethylbenzene:

Biodegradability : Result: Readily biodegradable.

chlorobenzene:

Biochemical Oxygen De- : BOD-5:



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mand (BOD) 30 mg/g

Chemical Oxygen Demand

(COD)

: 410 mg/g

BOD/COD : BOD/COD: 7.32 %

ThOD : 2,060 mg/g

**Bioaccumulative potential** 

**Components:** 

xylene:

Bioaccumulation : Bioconcentration factor (BCF): 7.4 - 18.5

ethylbenzene:

Partition coefficient: n-

octanol/water

log Pow: 3.15

Mobility in soil

Components:

ethylbenzene:

Distribution among environ-

mental compartments

log Koc: 3.12

chlorobenzene:

Distribution among environ-

mental compartments

log Koc: 2.4

Other adverse effects

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS** 

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

**SECTION 14. TRANSPORT INFORMATION** 

International Regulations

**IATA-DGR** 

UN/ID No. : UN 1139
Proper shipping name : Coating solution

Class : 3



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Packing group : III

Labels : Class 3 - Flammable liquids

Packing instruction (cargo : 366

aircraft)

Packing instruction (passen: 355

ger aircraft)

**IMDG-Code** 

UN number : UN 1139

Proper shipping name : COATING SOLUTION

Class : 3
Packing group : III
Labels : 3
EmS Code : F-E, S-E
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### **Domestic regulation**

**49 CFR** 

UN/ID/NA number : UN 1139

Proper shipping name : Coating solution

Class : 3 Packing group : III

Labels : Class 3 - Flammable liquids

ERG Code : 127 Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### **SECTION 15. REGULATORY INFORMATION**

### **EPCRA - Emergency Planning and Community Right-to-Know**

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard



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SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

xylene 1330-20-7

ethylbenzene 100-41-4

chlorobenzene 108-90-7

California Prop. 65

WARNING: This product can expose you to chemicals including ethylbenzene, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The ingredients of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

AICS : On the inventory, or in compliance with the inventory

DSL : All components of this product are on the Canadian DSL

ISHL : On the inventory, or in compliance with the inventory

KECI: On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

NZIoC : Not listed

**TSCA list** 

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.



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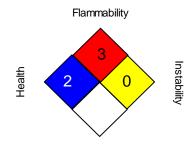
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### **SECTION 16. OTHER INFORMATION**

### **Further information**

### NFPA 704:



Special hazard

### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

ACGIH : US. ACGIH Threshold Limit Values

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

1910.1000

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-

its for Air Contaminants

ACGIH / STEL : short-term exposure limit

ACGIH / TWA : 8-hour, time-weighted average

ACGIH / TWA : 8-hour, time-weighted average

ACGIH / STEL : Short-term exposure limit

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded

at any time during a workday

OSHA P0 / TWA : 8-hour time weighted average OSHA P0 / STEL : Short-term exposure limit OSHA Z-1 / TWA : 8-hour time weighted average

OSHA Z-1 / STEL : 15-minute occupational exposure limit

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -



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International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance: PICCS - Philippines Inventory of Chemicals and Chemical Substances: (Q)SAR - (Quantitative) Structure Activity Relationship: RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG -United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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