

	Sealer GP III		
Version 1.1	Revision Date: 02/28/2023	Date of last issue: 02/06/2023 Date of first issue: 02/06/2023	Print Date: 03/30/2023
SECTION	1. IDENTIFICATION		
Produ	uct name	: Zyvax® Sealer GP™	
Manu	facturer or supplier's	details	
Comp	bany name of supplier	 Chem-Trend LP 1445 W McPherson Park Dr PO Box 860, Howell MI 48844-08 United States +1 517 546 4520 	60
	il address of person Insible for the SDS	: SDS-NA@chemtrend.com	
	gency telephone	: +1 517 545 7070	
Reco	mmended use of the	chemical and restrictions on use	
Reco	mmended use	: Sealant	
Restr	ictions on use	: For industrial use only.	

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	:	Category 3
Skin irritation	:	Category 2
Eye irritation	:	Category 2A
Carcinogenicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3 (Respiratory system, Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2
Aspiration hazard	:	Category 1

GHS label elements





Zyvax[®] Sealer GP[™] Date of last issue: 02/06/2023 Print Date: Version **Revision Date:** Date of first issue: 02/06/2023 03/30/2023 1.1 02/28/2023 Hazard pictograms ÷ Signal word Danger 1 Hazard statements Flammable liquid and vapour. • May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Precautionary statements **Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/ protective clothing/ eye protection/ face protection. **Response:** IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting. In case of fire: Use alcohol-resistant foam, carbon dioxide or water mist to extinguish. Storage: Store in a well-ventilated place. Keep cool. Store locked up. **Disposal:** Dispose of contents/ container to an approved waste disposal plant. Other hazards None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Solvent naphtha (petroleum), light	64742-95-6	Trade secret (>= 60 - < 80)
arom.		
1,2,4-trimethylbenzene	95-63-6	Trade secret (>= 10 - < 30)





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Cume	ene	98-82-8	Trade secret (>= 1 - < 5)
xylen	е	1330-20-7	Trade secret (>= 1 - < 5)
ETH	YLBENZENE	100-41-4	Trade secret (>= 0.1 - < 1)

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES If inhaled Call a physician or poison control centre immediately. : Remove person to fresh air. If signs/symptoms continue, get medical attention. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. If breathing is irregular or stopped, administer artificial respiration. In case of skin contact Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. Get medical attention immediately if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse. In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Seek medical advice. If swallowed ÷ Move the victim to fresh air. If accidentally swallowed obtain immediate medical attention. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed - can enter lungs and cause damage. Most important symptoms Central nervous system depression : Can be absorbed through skin. and effects, both acute and delayed Risk of product entering the lungs on vomiting after ingestion. Health injuries may be delayed. Causes skin irritation. Inhalation may provoke the following symptoms: Unconsciousness Dizziness Drowsiness Headache Nausea





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			Tiredness Skin contact may provoke the folle Erythema Aspiration may cause pulmonary	
No	otes to physician	:	Treat symptomatically.	
SECTI	ON 5. FIREFIGHTING ME	ASU	RES	
Su	uitable extinguishing media	a :	Use water spray, alcohol-resistan carbon dioxide.	t foam, dry chemical or
	nsuitable extinguishing edia	:	High volume water jet	
	pecific hazards during efighting	:	Fire may cause evolution of:	
			Do not let product enter drains. Container may explode if heated. Beware of vapours accumulating concentrations. Vapours can accu	
	azardous combustion oducts	:	Carbon oxides Metal oxides	
Fu	urther information	:	Standard procedure for chemical Collect contaminated fire extingui must not be discharged into drain Cool containers/tanks with water	shing water separately. This s.
	pecial protective equipmen r firefighters	t :	In the event of fire, wear self-cont Use personal protective equipmen Exposure to decomposition produce health.	nt.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Do not breathe vapours or spray mist. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	Do not allow contact with soil, surface or ground water. Prevent further leakage or spillage if safe to do so.





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		If the product conta respective authoriti	aminates rivers and lakes or drains inform ties.
	ods and materials for ainment and cleaning up	absorbent material vermiculite) and pla	and then collect with non-combustible I, (e.g. sand, earth, diatomaceous earth, lace in container for disposal according to julations (see section 13). Is should be used.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Keep away from heat and sources of ignition.
Advice on safe handling	:	Use only in an area containing explosion proof equipment. Do not use in areas without adequate ventilation. Do not breathe vapours or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. For personal protection see section 8. Keep away from fire, sparks and heated surfaces. Smoking, eating and drinking should be prohibited in the application area. Wash hands and face before breaks and immediately after handling the product. Ensure all equipment is electrically grounded before beginning transfer operations. Do not get in eyes or mouth or on skin. Do not get on skin or clothing. Do not ingest. Do not enter areas where used or stored until adequately ventilated. Do not repack. Do not re-use empty containers. These safety instructions also apply to empty packaging which may still contain product residues. Keep container closed when not in use.
Conditions for safe storage	:	 Store in original container. Keep container closed when not in use. Keep in a cool place away from oxidizing agents. Keep in a dry, cool and well-ventilated place. Do not store together with oxidizing and self-igniting products. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.





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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Solvent naphtha (petroleum), light arom.	64742-95-6	TWA	500 ppm 2,000 mg/m3	OSHA Z-1 (2007-01-01)
		TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH (2010-03-01)
1,2,4-trimethylbenzene	95-63-6	TWA	25 ppm 125 mg/m3	NIOSH REL (2013-10-08)
		TWA	25 ppm	ACGIH (2021-01-01)
Cumene	98-82-8	TWA	5 ppm	ACGIH (2021-01-01)
		TWA	50 ppm 245 mg/m3	NIOSH REL (2013-10-08)
		TWA	50 ppm 245 mg/m3	OSHA Z-1 (1997-08-04)
xylene	1330-20-7	TWA	100 ppm 435 mg/m3	OSHA Z-1 (2012-07-01)
		TWA	100 ppm	ACGIH (2021-01-01)
		STEL	150 ppm	ACGIH (2021-01-01)
ETHYLBENZENE	100-41-4	TWA	20 ppm	ACGIH (2021-01-01)
		TWA	100 ppm 435 mg/m3	NIOSH REL (2013-10-08)
		ST	125 ppm 545 mg/m3	NIOSH REL (2013-10-08)
		TWA	100 ppm 435 mg/m3	OSHA Z-1 (1997-08-04)

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Samplin g time	Permissible concentratio n	Basis
xylene	1330-20-7	Methylhippu ric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI (2013-03- 01)





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ETHY	/LBENZENE	100-41-	4 Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI (2016-03 01)
Engii	neering measures		Use only in an are ventilation. Handle only in a p appropriate exhau	lace equipp			
Perso	onal protective equ	ipment					
Resp	iratory protection		Use respiratory pr ventilation is provi that exposures are	ded or expo	osure asses	sment demor	nstrates
Fil	lter type	:	Filter type A-P				
Ma Br	l protection aterial reak through time rotective index	:	butyl-rubber > 10 min Class 1				
Re	emarks		Wear protective gl amongst other thir type of glove and case.	ngs on the r	naterial, the	thickness an	d the
Eye p	protection	:	Safety glasses wit	h side-shiel	lds		
Skin a	and body protection		Choose body prote concentration and the specific work-p	amount of			and to
Prote	ective measures		The type of protect to the concentratic at the specific wor	on and amo			
Hygie	ene measures		Wash face, hands handling.	and any ex	cposed skin	thoroughly at	iter

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : colourless





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	Odour		:	solvent-like	
	Odour	Threshold	:	No data available	
	рН		:	Not applicable substance/mixture is non-soluble (in wa	iter)
	Melting	point/range	:	No data available	
	Boiling	point/boiling range	:	327 °F / 164 °C	
	Flash p	point	:	100 °F / 38 °C	
	Evapor	ration rate	:	No data available	
	Flamm	ability (solid, gas)	:	Not applicable	
	Self-igr	nition	:	No data available	
		explosion limit / Upper ability limit	:	7.5 %(V)	
		explosion limit / Lower ability limit	:	1.0 %(V)	
	Vapour	r pressure	:	No data available	
	Relativ	e vapour density	:	No data available	
	Relativ	e density	:	0.87 (68 °F / 20 °C) Reference substance: Water The value is calculated	
	Bulk de	ensity	:	No data available	
	Solubil Wat	ity(ies) ter solubility	:	insoluble	
	Solu	ubility in other solvents	; ;	No data available	
	Partitio octano	n coefficient: n- I/water	:	No data available	
	Auto-ig	nition temperature	:	No data available	





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Dece	omposition temperature	:	No data available	
	Viscosity Viscosity, dynamic		No data available	
V	Viscosity, kinematic		< 20.5 mm2/s (104 °F / 40 °C)	
Expl	Explosive properties		Not explosive	
Oxid	lizing properties	:	No data available	
Subl	imation point	:	No data available	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazards to be specially mentioned.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Heat, flames and sparks. Strong sunlight for prolonged periods.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	>150 °C small quantities of formaldehyde may be formed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product: Acute oral toxicity :	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
	Remarks: Effects due to ingestion may include: Symptoms: Central nervous system depression
Acute inhalation toxicity :	Acute toxicity estimate: 82.1 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method

Remarks: Respiration of solvent vapour may cause dizziness.





Zyvax[®] Sealer GP[™] Date of last issue: 02/06/2023 Print Date: Version **Revision Date:** Date of first issue: 02/06/2023 03/30/2023 1.1 02/28/2023 Irritating to respiratory system. Symptoms: Inhalation may provoke the following symptoms:, Local irritation, Respiratory disorders, Dizziness, Drowsiness, Vomiting, Fatigue, Vertigo, Central nervous system depression Acute dermal toxicity 2 Symptoms: Redness, Local irritation **Components:** Solvent naphtha (petroleum), light arom .: Acute oral toxicity : LD50 (Rat): 4,200 mg/kg 1,2,4-trimethylbenzene: Acute oral toxicity LD50 (Rat): 6,000 mg/kg 5 Method: EC Directive 92/69/EEC B.1 Acute Toxicity (Oral) LC50 (Rat): 18 mg/l Acute inhalation toxicity : Exposure time: 4 h Test atmosphere: vapour xylene: Acute oral toxicity LD50 Oral (Rat): > 2,000 mg/kg : Acute inhalation toxicity Assessment: The component/mixture is moderately toxic after 5 short term inhalation. **ETHYLBENZENE:** LD50 (Rat): 3,500 mg/kg Acute oral toxicity : LC50 (Rat): 17.6 mg/l Acute inhalation toxicity Exposure time: 4 h Test atmosphere: vapour Skin corrosion/irritation Product: Remarks Irritating to skin. 1 **Components:** Solvent naphtha (petroleum), light arom .: Species Rabbit 1 Result Skin irritation

1,2,4-trimethylbenzene:





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Speci	e s	: Rabbit		
Resu		: Skin irritation		
xylen	e:			
Resu	lt	: Skin irritation		
Serio	us eye damage/eye	irritation		
Prod	uct:			
Rema		: Irritating to eyes.		
	<u>oonents:</u>			
	trimethylbenzene:			
Speci Resu		: Rabbit : Eye irritation		
Resu	it.			
xylen	e:			
Resu	lt	: Eye irritation		
_				
Resp	iratory or skin sens	sitisation		
Prod				
Rema	arks	: This information is not available		
Germ	cell mutagenicity			
Prod	uct:			
	toxicity in vitro	: Remarks: No data available		
Geno	toxicity in vivo	: Remarks: No data available		
Geno				
Carci	nogenicity			
Prod	uct:			
Rema	arks	: No data available		
IARC		: Possibly carcinogenic to humans	00 02 0	
Cumene Group 2B: Po ETHYLBENZ		: Possibly carcinogenic to humans	98-82-8	
			100-41-4	
OSH		No component of this product present at levels greater than or equination on OSHA's list of regulated carcinogens.		
NTP Reasonably anticipated to Cumene		bly anticipated to be a human carcinogen		
			98-82-8	





	Sealer GF		
ersion 1	Revision Date: 02/28/2023	Date of last issue: 02/06/2023 Date of first issue: 02/06/2023	Print Date: 03/30/2023
Repro	oductive toxicity		
Produ	uct:		
Effect	s on fertility	: Remarks: No data available	
	s on foetal opment	: Remarks: No data available	
STOT	- single exposure		
<u>Comp</u>	oonents:		
Solve	ent naphtha (petrole	eum), light arom.:	
	sure routes	: Inhalation	
	t Organs	: Respiratory system	
Asses	ssment	: May cause respiratory irritation	٦.
Expos	sure routes	: Inhalation	
	et Organs	: Central nervous system	
Asses	ssment	: May cause drowsiness or dizzi	iness.
1,2,4-	trimethylbenzene:		
Asses	ssment	: May cause respiratory irritation	٦.
Cume	ene:		
Asses	ssment	: May cause respiratory irritation	٦.
xylen	e:		
Asses	ssment	: May cause respiratory irritation	٦.
STOT	- repeated exposu	re	
Comp	oonents:		
xylen	e:		
Asses	ssment	: May cause damage to organs exposure.	through prolonged or repeated
ETHY	LBENZENE:		
Expos	sure routes	: Inhalation	
Targe	et Organs	: Central nervous system	
Asses	ssment	: The substance or mixture is cla	
		toxicant, repeated exposure, c	ategory 2.





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Repeated dose toxicity

Product:

Remarks

: This information is not available.

Aspiration toxicity

Product:

May be fatal if swallowed and enters airways.

Components:

Solvent naphtha (petroleum), light arom.:

May be fatal if swallowed and enters airways.

Cumene:

May be fatal if swallowed and enters airways.

xylene:

May be fatal if swallowed and enters airways.

ETHYLBENZENE:

May be fatal if swallowed and enters airways.

:

Further information

Product:

Remarks

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
<u>Product:</u> Toxicity to fish	: Remarks: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	١
Toxicity to daphnia and other aquatic invertebrates	: Remarks: No data available	
Toxicity to algae/aquatic	:	
	a busined of	





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plants			Remarks: No data available	
Toxicit	y to microorganisms	:	Remarks: No data available	
<u>Comp</u>	onents:			
Solver	nt naphtha (petroleur	m), li	ght arom.:	
	xicology Assessmen ic aquatic toxicity		Toxic to aquatic life with long la	sting effects.
1,2,4-t	rimethylbenzene:			
	xicology Assessmen ic aquatic toxicity		Toxic to aquatic life with long la	sting effects.
Cume	ne:			
Ecoto	xicology Assessmen	nt		
Acute	aquatic toxicity	:	Toxic to aquatic life.	
Chroni	ic aquatic toxicity	:	Toxic to aquatic life with long la	sting effects.
ETHYI	LBENZENE:			
aquatio	y to daphnia and othe c invertebrates nic toxicity)	r:	NOEC: 0.96 mg/l Exposure time: 7 d	
Persis	stence and degradab	ility		
Produ	<u>ct:</u>			
Biodeg	gradability	:	Remarks: No data available	
Physic remova	o-chemical ability	:	Remarks: No data available	
<u>Comp</u>	onents:			
	n t naphtha (petroleur gradability		ght arom.: Remarks: No data available	





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	-trimethylbenzene: egradability	: Re	marks: No data available	
Cum Biode	ene: egradability	: Re	sult: Readily biodegradable.	
	(LBENZENE: egradability	: Re	sult: Readily biodegradable.	
Bioa	ccumulative potentia	I		
<u>Prod</u> Bioac	uct: cumulation	be Th	marks: This mixture contains persistent, bioaccumulating a is mixture contains no substar rsistent and very bioaccumula	nd toxic (PBT). nce considered to be very
	ponents:			
	ent naphtha (petrole) ccumulation		arom.: marks: No data available	
Dioue				
	ion coefficient: n- ol/water	: log	Pow: 3.7 - 4.5	
	-trimethylbenzene: ccumulation	: Re	marks: No data available	
Cum Bioac	ene: ccumulation	: Re	marks: No data available	
	ne: ion coefficient: n- iol/water	: Po	w: 2.77 - 3.15	
	(LBENZENE: ccumulation	: Bic	oconcentration factor (BCF): 1	





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	ion coefficient: n- ol/water	:	log Pow: 3.6 (68 °F / 20 °C)	
Mobi	lity in soil			
<u>Prod</u> Mobil		:	Remarks: No data available	
	bution among onmental compartments	:	Remarks: No data available	
Othe	r adverse effects			
Prod	uct:			
Ozon	e-Depletion Potential	:	Regulation: 40 CFR Protection of E Protection of Stratospheric Ozone - Substances Remarks: This product neither cont manufactured with a Class I or Clas U.S. Clean Air Act Section 602 (40 B).	- CAA Section 602 Class I tains, nor was ss II ODS as defined by the
	ional ecological nation	:	Toxic to aquatic life with long lastin	g effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	The product should not be allowed to enter drains, water courses or the soil. Do not dispose of with domestic refuse. Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product. Dispose of waste product or used containers according to local regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG





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UN number Proper shipping name Class Packing group Labels		: UN 3295 : HYDROCARBONS, LIQUID, N.O.S. : 3 : III : 3	
UN/IE Prope Class Packi Label Packi aircra Packi	er shipping name ing group ls ing instruction (cargo	 UN 3295 Hydrocarbons, liquid, n.o.s. 3 III Flammable Liquids 366 355 	
UN n)-Code umber er shipping name	 : UN 3295 : HYDROCARBONS, LIQUID, N.O.S. (solvent naphtha (petroleum), light arom., 1,2,4- trimethylbenzene) 	
Label EmS	ing group	: 3 : III : 3 : F-E, S-D : yes	
	sport in bulk accordin pplicable for product a	g to Annex II of MARPOL 73/78 and the IBC Code supplied.	
Natio	onal Regulations		
	F R D/NA number er shipping name	: UN 3295 : Hydrocarbons, liquid, n.o.s.	

Class :	3
Packing group :	III
Labels :	FLAMMABLE LIQUID
ERG Code :	128
Marine pollutant :	yes(distillates (petroleum), hydrotreated light, 1,2,4- trimethylbenzene)

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.





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SECTION 15. REGULATORY INFORMATION

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) Carcinogenicity Specific target organ toxicity (single or repeated exposure) Aspiration hazard Skin corrosion or irritation Serious eye damage or eye irritation		
SARA 313 :	The following components are subject to reporting levels established by SARA Title III, Section 313:		
	1,2,4- trimethylbenzene	95-63-6	>= 10 - < 20 %
	Cumene	98-82-8	>= 1 - < 5 %
	xylene	1330-20-7	>= 1 - < 5 %
	ETHYLBENZEN E	100-41-4	>= 0.1 - < 1 %

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

Cumene	98-82-8	>= 1 - < 5 %
xylene	1330-20-7	>= 1 - < 5 %

California Prop. 65

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

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

TSCA : All substances listed as active on the TSCA inventory

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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SECTION 16. OTHER INFORMATION

Further information

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1
		Limits for Air Contaminants
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 Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; 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 - 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; TECI - Thailand Existing Chemicals 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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