MBCC GROUP

MasterProtect EL 750 CS Pas TB

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SECTION 1. IDENTIFICATION

Product name : MasterProtect EL 750 CS Pas TB

Product code : 00000000051718607 00000000051718607

Manufacturer or supplier's details

Company name of supplier : Master Builders-Construction Systems

US, LLC

Address : 23700 CHAGRIN BLVD

Beachwood OH 44122

Emergency telephone : ChemTel: +1-813-248-0585

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Carcinogenicity (Inhalation) : 1A

Short-term (acute) aquatic

hazard

: 3

Long-term (chronic) aquatic

hazard

3

GHS label elements

Hazard pictograms

Signal Word : Danger

Hazard Statements : H350 May cause cancer.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.



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P273 Avoid release to the environment.

Response:

P308 + P311 IF exposed or concerned: Call a POISON

CENTER/ doctor.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to appropriate hazardous

waste collection point.

Other hazards

No data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 15 - < 50
Titanium dioxide	13463-67-7	>= 5 - < 15
Perlite, expanded	93763-70-3	>= 5 - < 7
ethyleneglycol	107-21-1	>= 1 - < 3
zinc oxide	1314-13-2	>= 0.3 - < 1
Poly(oxy-1,2-ethanediyl), .alpha [(1,1,3,3-tetramethylbutyl)phenyl]- .omegahydroxy-	9036-19-5	>= 0.1 - < 0.3
Quartz (SiO2)	14808-60-7	>= 0 - < 1
diuron	330-54-1	>= 0 - < 0.1
3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	55406-53-6	>= 0 - < 0.1

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

Show this material safety data sheet to the doctor in attend-

ance.

Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.

In case of eye contact : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.

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Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

Most important symptoms and effects, both acute and

delayed

May cause cancer.

Notes to physician Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray

> Foam Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Further information Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment :

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

tive equipment and emer-

gency procedures

Personal precautions, protec- : Use personal protective equipment.

Environmental precautions Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for containment and cleaning up Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against : Product is not explosive.

fire and explosion

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Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapors/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age conditions

Keep only in the original container in a cool, dry, well-

ventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Materials to avoid : Observe VCI storage rules.

Recommended storage tem-

perature

41 °F / 5 °C

Further information on stor-

age stability

Minimum storage temperature:

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethyleneglycol	107-21-1	TWA value (Vapor frac- tion)	25 ppm	ACGIHTLV
		STEL value (Vapor frac- tion)	50 ppm	ACGIHTLV
		STEL value (Aerosol, inhalable.)	10 mg/m3	ACGIHTLV
		TWA (Vapor)	25 ppm	ACGIH
		STEL (Va- por)	50 ppm	ACGIH



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		STEL (Inhalable fraction,	10 mg/m3	ACGIH
		Aerosol only) C	50 ppm	OSHA P0
			125 mg/m3	
diuron	330-54-1	TWA value	10 mg/m3	ACGIHTLV
		REL value	10 mg/m3	NIOSH
		TWA value	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	10 mg/m3	ACGIH
		TWA	10 mg/m3	NIOSH REL
		TWA	10 mg/m3	OSHA P0
zinc oxide	1314-13-2	TWA value (Respirable fraction)	2 mg/m3	ACGIHTLV
		STEL value (Respirable fraction)	10 mg/m3	ACGIHTLV
		REL value (fumes/smok e)	5 mg/m3	NIOSH
		REL value (dust)	5 mg/m3	NIOSH
		STEL value (fumes/smok e)	10 mg/m3	NIOSH
		Ceil_Time (dust)	15 mg/m3	NIOSH
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (fumes/smok e)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (fumes/smok e)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		STEL value (fumes/smok e)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH



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			_
	STEL (Respirable particulate matter)	10 mg/m3	ACGIH
		5 mg/m3	NIOSH REL
			NIOSH REL
		5 mg/ms	NIOSHIKEL
		10 mg/m2	NIOSH REL
			NIOSH REL
		ŭ	OSHA Z-1
		5 mg/ms	USHA Z-1
		15 mg/m2	OSHA Z-1
		15 mg/ms	03HA Z-1
		E ma/m2	OSHA Z-1
	able fraction)	_	
	TWA (Total dust)	10 mg/m3	OSHA P0
	TWA (respir-	5 mg/m3	OSHA P0
	able dust		
	fraction)		
		5 mg/m3	OSHA P0
	_	10 mg/m3	OSHA P0
1317-65-3		5 mg/m3	NIOSH
		3	
	REL value	10 mg/m3	NIOSH
		5 mg/m3	29 CFR
	able fraction)	3 mg/m3	1910.1000 (Table Z-1)
	PFI (Total	15 mg/m3	29 CFR
			1910.1000
	duoti		(Table Z-1)
	TWA value	5 mg/m3	29 CFR
		o mg/mo	1910.1000
	fraction)		(Table Z-1-A)
		15 mg/m3	29 CFR
			1910.1000
			(Table Z-1-A)
	TWA (total	15 mg/m3	OSHA Z-1
	dust)		
	TWÁ (respir-	5 mg/m3	OSHA Z-1
	able fraction)		
	TWA (Total	15 mg/m3	OSHA P0
		5 ma/m2	OSHA P0
	\ '	5 mg/ms	USHA PU
		5 ma/m2	NIOSH REL
	pirable)	(Calcium car-	NIOSH KEL
	TWA (total)	10 mg/m3 (Calcium car-	NIOSH REL
	1317-65-3	pirable particulate matter) TWA (Dust) TWA (Fumes) ST (Fumes) C (Dust) TWA (Fumes) TWA (total dust) TWA (respirable fraction) TWA (respirable dust fraction) TWA (Fumes) STEL (Fumes) STEL (Fumes) STEL (Fumes) PEL (Respirable) REL value (Total) PEL (Respirable fraction) PEL (Respirable fraction) TWA value (Respirable fraction) TWA value (Total) TWA value (Total dust) TWA value (Respirable fraction) TWA (respirable fraction)	pirable particulate matter) TWA (Dust) 5 mg/m3 TWA 5 mg/m3 (Fumes) 10 mg/m3 C (Dust) 15 mg/m3 TWA 5 mg/m3 (Fumes) 15 mg/m3 TWA (total 15 mg/m3 TWA (respirable fraction) TWA (respirable dust fraction) TWA (Fumes) 5 mg/m3 TWA (Fumes) 5 mg/m3 TWA (respirable dust fraction) TWA (respirable dust fraction) TWA (Fumes) 5 mg/m3 STEL (Fumes) 5 mg/m3 (Fumes) 5 mg/m3 (Fumes) 5 mg/m3 (Fumes) 5 mg/m3 (Fumes) 6 mg/m3 TWA (respirable) 7 mg/m3 TWA value (Respirable) 8 mg/m3 TWA value (Respirable fraction) 15 mg/m3 TWA value (Total dust) 15 mg/m3 TWA value (Total dust) 15 mg/m3 TWA value (Total dust) 15 mg/m3 TWA (respirable fraction) 15 mg/m3 TWA (rotal dust) 15 mg/m3 TWA (rotal dust) 5 mg/m3 TWA (rotal dust) 7 mg/m3



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		1	bonate)	
Titanium dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV
		PEL (Total	15 mg/m3	29 CFR
		dust)		1910.1000
				(Table Z-1)
		TWA value	10 mg/m3	29 CFR
		(Total dust)		1910.1000
				(Table Z-1-A)
		TWA (total	15 mg/m3	OSHA Z-1
		dust)		
		TWA (Total	10 mg/m3	OSHA P0
		dust) `		
		TWÁ	10 mg/m3	ACGIH
			(Titanium dioxide)	
Perlite, expanded	93763-70-3	REL value	5 mg/m3	NIOSH
. ome, expanded	00.00.00	(Respirable)	0 1119/1110	1.1.00.1
		REL value	10 mg/m3	NIOSH
		(Total)	10 mg/mo	1410011
		TWA value	5 mg/m3	29 CFR
		(Respirable	3 mg/m3	1910.1000
		fraction)		(Table Z-1-A)
		TWA value	15 mg/m3	29 CFR
		(Total dust)	13 mg/m3	1910.1000
		(Total dust)		(Table Z-1-A)
		TWA (Res-	5 mg/m3	NIOSH REL
		pirable)	o mg/mo	NIOSH KEL
			10 mg/m3	NIOSH REL
		TWA (total)	· ·	OSHA PO
		TWA (Total dust)	15 mg/m3	OSHA PU
		TWA (respir-	5 mg/m3	OSHA P0
		able dust	5 mg/ms	OSHA FU
		fraction)		
Ougst- (6:03)	14808-60-7	TWA value	0.025 mg/m3	ACGIHTLV
Quartz (SiO2)	14606-60-7		0.025 mg/m3	ACGINILV
		(Respirable fraction)		
		TWA value	0.05 mg/m3	29 CFR
		I VVA value		
			(Respirable dust)	1910.1001-
		OCLIA A -4!	0.005	1050
		OSHA Action	0.025 mg/m3	29 CFR
		level	(Respirable dust)	1910.1001-
		REL value	0.05 mg/m2	1050
			0.05 mg/m3	NIOSH
		(Respirable		
		dust)	0.05 0	00114.7.4
		TWA (Res-	0.05 mg/m3	OSHA Z-1
		pirable dust)	40	00114.7.0
		TWA (respir-	10 mg/m3 /	OSHA Z-3
		able)	%SiO2+2	00114.7.0
		TWA (respir-	250 mppcf /	OSHA Z-3
		able)	%SiO2+5	
		TWA (respir-	0.1 mg/m3	OSHA P0
		able dust		
		fraction)		
		TWA (Res-	0.025 mg/m3	ACGIH



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pirable par- ticulate mat- ter)	(Silica)	
PEL (respir- able)	0.05 mg/m3	OSHA CARC
TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL

Engineering measures : Wear appropriate respiratory protection.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the occupa-

tional exposure limits they must use appropriate certified

respirators.

Hand protection

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Do not inhale gases/vapours/aerosols.

Avoid contact with the skin, eyes and clothing.

Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene

and safety practice.

Wearing of closed work clothing is recommended.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : pigmented

Odor : sweetish, slight odour

Odor Threshold : No data available

pH : 9.2 - 10.0

Melting point : No applicable information available.



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Boiling point : 379.00 - 401.00 °F / 192.78 - 205.00 °C

Flash point : 200.01 °F / 93.34 °C

Evaporation rate : No applicable information available.

Flammability (solid, gas) : not highly flammable

Method: derived from flash point

Upper explosion limit / Upper

flammability limit

15.3 %(V)

Lower explosion limit / Lower

flammability limit

3.2 %(V)

Vapor pressure : No data available.

Relative vapor density : Heavier than air.

Relative density : 1.2 - 1.4

Density : 1.2 - 1.4 g/cm3 (68 °F / 20 °C)

Bulk density : not applicable

Solubility(ies)

Water solubility : soluble

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

No data available.

Autoignition temperature : No data available

Decomposition temperature : No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

Viscosity, dynamic : No applicable information available.

Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive

Not explosive

Oxidizing properties : Based on its structural properties the product is not classified

as oxidizing.

Sublimation point : No applicable information available.

Molecular weight : No data available



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SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reac-

tions

No decomposition if stored and applied as directed.

Conditions to avoid : See SDS section 7 - Handling and storage.

Incompatible materials : Strong acids

Strong bases

Strong oxidizing agents Strong reducing agents

Hazardous decomposition

products

irritant gases/vapours

carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

Acute dermal toxicity : Remarks: No applicable information available.

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks : May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks : Vapors may cause irritation to the eyes, respiratory system

and the skin.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

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Respiratory sensitization

Not classified based on available information.

Product:

Remarks Causes sensitization.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

zinc oxide:

M-Factor (Acute aquatic tox- : 1

icity)

M-Factor (Chronic aquatic

: 1 toxicity)

Persistence and degradability

Components:

Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-:

Biodegradability aerobic

Inoculum: activated sludge, domestic, non-adapted

Result: Readily biodegradable.

Biodegradation: 90 % Exposure time: 28 d

Method: Modified OECD-Screening-Test.

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Bioaccumulative potential

Components:

Titanium dioxide:Partition coefficient: n-

octanol/water

Remarks: not applicable

Perlite, expanded:

Partition coefficient: n-

octanol/water

Remarks: The value has not been determined because the

substance is inorganic.

ethyleneglycol:

Partition coefficient: n-

octanol/water

log Pow: approx. -1.36 (73 °F / 23 °C) Method: Calculation Hansch/Leo

GLP: no data

Remarks: Information taken from reference works and the

literature.

zinc oxide:

Partition coefficient: n-

octanol/water

Remarks: The value has not been determined because the

substance is inorganic.

Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-:

Bioaccumulation : Remarks: Accumulation in organisms is not to be expected.

Quartz (SiO2):

Partition coefficient: n-

octanol/water

Remarks: The value has not been determined because the

substance is inorganic.

3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate:

Partition coefficient: n-

octanol/water

: log Pow: 2.81 (77 °F / 25 °C)

Method: Partition coefficient (n-octanol/water), Shake-flask

method GLP: yes

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.



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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Dispose of in accordance with national, state and local regula-

tions.

Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible

and disposed of in the same manner as the sub-

stance/product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

SARA 313 : The following components are subject to reporting levels es-

tablished by SARA Title III, Section 313:

ethyleneglycol 107-21-1

US State Regulations

Pennsylvania Right To Know

 ethyleneglycol
 107-21-1

 Limestone
 1317-65-3

 Titanium dioxide
 13463-67-7

 ethylene oxide
 75-21-8

 propylene oxide
 75-56-9

 1,4-dioxane
 123-91-1

New Jersey Right To Know

ethyleneglycol 107-21-1 Limestone 1317-65-3

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Titanium dioxide 13463-67-7
Perlite, expanded 93763-70-3
Quartz (SiO2) 14808-60-7
Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5

California Prop. 65

WARNING: This product can expose you to chemicals including lead, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

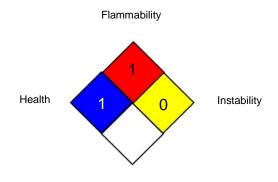
The ingredients of this product are reported in the following inventories:

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

SECTION 16. OTHER INFORMATION

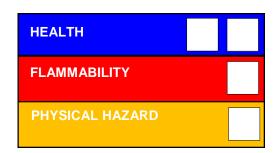
Further information

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

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1-A (29 CFR 1910.1000)

1-A)

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR

1910.1000

29 CFR 1910.1001-1050 : OSHA - Specifically Regulated Substances (29 CFR

1910.1001-1050)

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIHTLV : American Conference of Governmental Industrial Hygienists -

threshold limit values (US)

NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA CARC : OSHA Specifically Regulated Chemicals/Carcinogens
OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

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1910.1000

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

its for Air Contaminants

OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min-

eral Dusts

29 CFR 1910.1000 (Table Z- :

Short Term Exposure Limit (STEL):

1-A) / STEL value

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

1-A) / TWA value

29 CFR 1910.1000 (Table Z- : Permissible exposure limit

1) / PEL

29 CFR 1910.1001-1050 / : OSHA Action level:

OSHA Action level

29 CFR 1910.1001-1050 / : Time Weighted Average (TWA):

TWA value

ACGIH / TWA : 8-hour, time-weighted average ACGIH / STEL : Short-term exposure limit

ACGIHTLV / STEL value : Short Term Exposure Limit (STEL): ACGIHTLV / TWA value : Time Weighted Average (TWA):

NIOSH / Ceil_Time : Ceiling Limit Value and Time Period (if specified):

NIOSH / REL value : Recommended exposure limit (REL): NIOSH / STEL value : Short Term Exposure Limit (STEL):

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

NIOSH REL / C : Ceiling value not be exceeded at any time.

OSHA CARC / PEL : Permissible exposure limit (PEL)
OSHA P0 / TWA : 8-hour time weighted average
OSHA P0 / STEL : Short-term exposure limit

OSHA P0 / C : Ceiling limit

OSHA Z-1 / TWA : 8-hour time weighted average OSHA Z-3 / TWA : 8-hour time weighted average

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 - 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



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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

Revision Date : 08/25/2020

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