

# Sikaflex SL 2 Part A slope grade Formerly MSeal SL2 slope grade (A)

Version Revision Date: SDS Number: Date of last issue: 07/23/2020 1.1 02/26/2021 000000534122 Date of first issue: 07/23/2020

#### **SECTION 1. IDENTIFICATION**

Product name : Sikaflex SL 2 Part A slope grade Formerly MSeal SL2 slope

grade (A)

Product code : 00000000050269630

Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC

Address : 201 POLITO AVE

Lyndhurst NJ 07071

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

Flammable liquids : Category 3

Carcinogenicity (Inhalation) : Category 1A

Specific target organ toxicity

- repeated exposure

Category 1 (Central nervous system)

Short-term (acute) aquatic

hazard

Category 3

**GHS label elements** 

Hazard pictograms :





Signal Word : Danger

Hazard Statements : H226 Flammable liquid and vapour.

H350 May cause cancer by inhalation.

H372 Causes damage to organs (Central nervous system)

through prolonged or repeated exposure.

H402 Harmful to aquatic life.



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 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/23/2020

 1.1
 02/26/2021
 000000534122
 Date of first issue: 07/23/2020

**Precautionary Statements** 

#### Prevention:

P201 Obtain special instructions before use.

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

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

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

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

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

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

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

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

#### Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Storage:

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

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### Other hazards

None known.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 20 - < 30
calcium carbonate	471-34-1	>= 10 - < 20
Stoddard solvent	8052-41-3	>= 5 - < 10
Ethylenediamine, propoxylated	25214-63-5	>= 1 - < 5
Quartz (SiO2)	14808-60-7	>= 0.1 - < 1

Actual concentration is withheld as a trade secret

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



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Version Revision Date: SDS Number: Date of last issue: 07/23/2020 1.1 02/26/2021 000000534122 Date of first issue: 07/23/2020

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 skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

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 : 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

Causes damage to organs through prolonged or repeated

exposure.

Notes to physician : Treat symptomatically.

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

Suitable extinguishing media : Water spray

Carbon dioxide (CO2)

Dry powder Foam

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire

fighting

See SDS section 10 - Stability and reactivity.

Hazardous combustion prod: :

ucts

fumes/smoke carbon black carbon oxides

harmful vapours nitrogen oxides

Further information : For safety reasons in case of fire, cans should be stored sepa-

rately in closed containments.

Use a water spray to cool fully closed containers.



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Version SDS Number: Date of last issue: 07/23/2020 Revision Date: 1.1 02/26/2021 000000534122 Date of first issue: 07/23/2020

Special protective equipment :

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

#### **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

Contain spillage, and then collect with non-combustible abcontainment and cleaning up

sorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local

/ national regulations (see section 13).

Keep in suitable, closed containers for disposal.

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

Advice on protection against :

fire and explosion

Product is not explosive.

Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of

ignition.

Advice on safe handling Avoid formation of aerosol.

> Do not breathe vapors/dust. Avoid contact with skin and eyes. For personal protection see section 8.

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

plication area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage no smoking

> Keep in a well-ventilated place. 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, wellventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Materials to avoid Observe TRGS 509/510 storage rules.



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 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/23/2020

 1.1
 02/26/2021
 000000534122
 Date of first issue: 07/23/2020

Further information on stor- :

age stability

No decomposition if stored and applied as directed.

### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

# Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
calcium carbonate	471-34-1	REL value (Total)	10 mg/m3	NIOSH
		REL value (Respirable)	5 mg/m3	NIOSH
		PEL (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA (Respirable)	5 mg/m3 (Calcium car- bonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH REL
calcium oxide	1305-78-8	TWA value	2 mg/m3	ACGIHTLV
		REL value	2 mg/m3	NIOSH
		PEL	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	2 mg/m3	ACGIH
		TWA	2 mg/m3	NIOSH REL
		TWA	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA P0
Limestone	1317-65-3	REL value (Respirable)	5 mg/m3	NIOSH
		REL value (Total)	10 mg/m3	NIOSH
		PEL (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value	15 mg/m3	29 CFR



# Sikaflex SL 2 Part A slope grade Formerly MSeal SL2 slope grade (A)

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/23/2020

 1.1
 02/26/2021
 000000534122
 Date of first issue: 07/23/2020

		(Total dust)		1910.1000
			1- / -	(Table Z-1-A)
		TWA (total dust)	15 mg/m3	OSHA Z-1
			E m a/m 2	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	USHA 2-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Respirable)	5 mg/m3 (Calcium car- bonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH REL
Stoddard solvent	8052-41-3	TWA value	100 ppm	ACGIHTLV
		REL value	350 mg/m3	NIOSH
		Ceil_Time	1,800 mg/m3	NIOSH
		PEL	500 ppm 2,900 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	100 ppm 525 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	100 ppm	ACGIH
		TWA	350 mg/m3	NIOSH REL
		С	1,800 mg/m3	NIOSH REL
		TWA	500 ppm 2,900 mg/m3	OSHA Z-1
		TWA	100 ppm 525 mg/m3	OSHA P0

**Engineering measures** : No applicable information available.

Personal protective equipment

Respiratory protection : Wear a NIOSH-certified (or equivalent) respirator as neces-

sary.

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.



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Version Revision Date: SDS Number: Date of last issue: 07/23/2020 1.1 02/26/2021 000000534122 Date of first issue: 07/23/2020

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 : various colours

pH : slightly alkaline

Boiling range : 307 - 484 °F / 153 - 251 °C

Flash point : 122.99 °F / 50.55 °C

Method: Flash-Point by Pensky-Martens Closed Cup Tester.

Evaporation rate : No applicable information available.

Flammability (solid, gas) : not determined

Upper explosion limit / Upper

flammability limit

7.0 %(V)

Lower explosion limit / Lower :

flammability limit

0.9 %(V)

Vapor pressure : No applicable information available.

Relative vapor density : Heavier than air.

Relative density : No applicable information available.

Density : 0.877 - 0.897 g/cm3 (73 °F / 23 °C)

Solubility(ies)

Water solubility : slightly soluble

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

No data available.



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Version Revision Date: SDS Number: Date of last issue: 07/23/2020 1.1 02/26/2021 000000534122 Date of first issue: 07/23/2020

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.

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

#### **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.

Vapors may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong acids

Strong bases

Strong oxidizing agents Strong reducing agents

Hazardous decomposition

products

No hazardous decomposition products if stored and handled

as prescribed/indicated.

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

#### **Acute toxicity**

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

### Serious eye damage/eye irritation

Not classified based on available information.

### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.



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 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/23/2020

 1.1
 02/26/2021
 000000534122
 Date of first issue: 07/23/2020

#### Respiratory sensitization

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

May cause cancer by inhalation.

IARC Group 1: Carcinogenic to humans

Quartz (SiO2) 14808-60-7

(Silica dust, crystalline)

**OSHA** OSHA specifically regulated carcinogen

Quartz (SiO2) 14808-60-7

(crystalline silica)

NTP Known to be human carcinogen

Quartz (SiO2) 14808-60-7

(Silica, Crystalline (Respirable Size))

## Reproductive toxicity

Not classified based on available information.

#### STOT-single exposure

Not classified based on available information.

#### STOT-repeated exposure

Causes damage to organs (Central nervous system) through prolonged or repeated exposure.

#### **Aspiration toxicity**

Not classified based on available information.

#### **Further information**

#### **Product:**

Remarks : Health injuries are not known or expected under normal use.

The product has not been tested. The statements on toxicology have been derived from the properties of the individual

components.

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

### **Ecotoxicity**

#### **Product:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : Harmful to aquatic life.

#### **Components:**

#### Ethylenediamine, propoxylated:



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Version Revision Date: SDS Number: Date of last issue: 07/23/2020 1.1 02/26/2021 000000534122 Date of first issue: 07/23/2020

Toxicity to fish : LC50 (golden orfe): approx. 4,600 mg/l

Exposure time: 96 h
Test Type: static

Analytical monitoring: no Method: Fish test acute

GLP: no

Remarks: The details of the toxic effect relate to the nominal

concentration.

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna): > 100 mg/l

Exposure time: 48 h Test Type: static

Analytical monitoring: yes

Method: Daphnia sp., Acute Immobilisation Test.

GLP: yes

Remarks: Nominal values (confirmed by concentration control

analytics)

Based on data from similar materials

EC50 (Daphnia magna): > 100 mg/l

Exposure time: 48 h

Method: Acute toxicity for daphnia.

Remarks: The details of the toxic effect relate to the nominal

concentration.

Toxicity to algae/aquatic

plants

EC50 (green algae): 150 mg/l

End point: Growth rate Exposure time: 72 h Test Type: static

Analytical monitoring: yes Method: Algal inhibition test

GLP: yes

Remarks: The statement of the toxic effect relates to the ana-

lytically determined concentration.

Toxicity to microorganisms : EC50 (activated sludge, domestic): > 1,000 mg/l

Exposure time: 180 min Test Type: aerobic

Method: Activated Sludge, Respiration Inhibition Test.

GLP: yes

Remarks: The details of the toxic effect relate to the nominal

concentration.

Based on data from similar materials

EC50 (activated sludge, domestic): > 10,000 mg/l

Exposure time: 3 h
Test Type: aquatic
Analytical monitoring: no

Method: Activated Sludge, Respiration Inhibition Test.

GLP: ves

Remarks: Nominal concentration.

EC50 (activated sludge, domestic): 700 mg/l

Exposure time: 0.5 h



# Sikaflex SL 2 Part A slope grade Formerly MSeal SL2 slope grade (A)

Version Revision Date: SDS Number: Date of last issue: 07/23/2020 1.1 02/26/2021 000000534122 Date of first issue: 07/23/2020

Test Type: aquatic

Method: Activated Sludge, Respiration Inhibition Test. Remarks: The details of the toxic effect relate to the nominal

concentration.

#### Persistence and degradability

#### **Components:**

#### Ethylenediamine, propoxylated:

Biodegradability : Inoculum: activated sludge, domestic

Biodegradation: 9 % Exposure time: 28 d Method: respirometric test

#### **Bioaccumulative potential**

#### Components:

#### Stoddard solvent:

Partition coefficient: n- : log Pow: 3.5 - 6.4 (68 °F / 20 °C)

octanol/water Method: Partition coefficient (n-octanol/water), HPLC method.

#### Ethylenediamine, propoxylated:

Bioaccumulation : Remarks: Because of the n-octanol/water distribution coeffi-

cient (log Pow) accumulation in organisms is not to be ex-

pected.

# Mobility in soil

No data available

#### Other adverse effects

# **Product:**

Additional ecological infor-

mation

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual

components.

#### **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-



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Version Revision Date: SDS Number: Date of last issue: 07/23/2020 1.1 02/26/2021 000000534122 Date of first issue: 07/23/2020

stance/product.

#### **SECTION 14. TRANSPORT INFORMATION**

## **International Regulations**

**IATA-DGR** 

UN/ID No. : UN 1993

Proper shipping name : FLAMMABLE LIQUID, N.O.S.

(SOLVENT NAPHTHA)

Class : 3 Packing group : III

Labels : Flammable Liquids

Packing instruction (cargo : 366

aircraft)

Packing instruction (passen: 355

ger aircraft)

**IMDG-Code** 

UN number : UN 1993

Proper shipping name : FLAMMABLE LIQUID, N.O.S.

(SOLVENT NAPHTHA)

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 : NA 1993

Proper shipping name : COMBUSTIBLE LIQUID, N.O.S.

(SOLVENT NAPHTHA)

Class : C Packing group : III

Labels : Combustible Liquid

ERG Code : 128 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.



# Sikaflex SL 2 Part A slope grade Formerly MSeal SL2 slope grade (A)

Version Revision Date: SDS Number: Date of last issue: 07/23/2020 1.1 02/26/2021 000000534122 Date of first issue: 07/23/2020

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

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

#### **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
1,1-dichloroethylene	75-35-4	100	100 (D029)
Hydrocarbons, C3-4; Petroleum	75-28-5	100	*
gas			

<sup>\*:</sup> Calculated RQ exceeds reasonably attainable upper limit.

**SARA 313** 

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **US State Regulations**

#### Pennsylvania Right To Know

Oxirane, 2-methyl-, polymer with oxirane, ether with 2-ethyl-2- 84283-50-1 (hydroxymethyl)-1,3-propanediol (3:1), polymer with 1,3-diisocyanatomethylbenzene and .alpha.-hydro-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]

Limestone	1317-65-3
calcium carbonate	471-34-1
Stoddard solvent	8052-41-3
Ethylenediamine, propoxylated	25214-63-5
Zinc neodecanoate	27253-29-8

### **New Jersey Right To Know**

Stoddard solvent 8052-41-3
Limestone 1317-65-3
calcium carbonate 471-34-1
Quartz (SiO2) 14808-60-7
listedSpecial Hazard.

#### California Prop. 65

WARNING: This product can expose you to chemicals including lead, Quartz (SiO2), 1,1-dichloroethylene, acrylonitrile, 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:

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

TSCA : All chemical substances in this product are either listed as

active on the TSCA Inventory or are in compliance with a

TSCA Inventory exemption.



# Sikaflex SL 2 Part A slope grade Formerly MSeal SL2 slope grade (A)

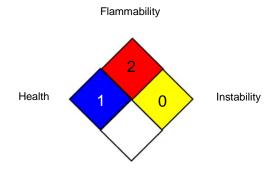
 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/23/2020

 1.1
 02/26/2021
 000000534122
 Date of first issue: 07/23/2020

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

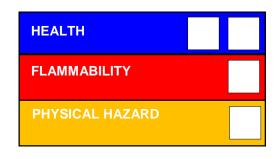
#### **Further information**

#### **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)

1)

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

1910.1000

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 PO : 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

29 CFR 1910.1000 (Table Z- :

1-A) / TWA value

Time Weighted Average (TWA):

29 CFR 1910.1000 (Table Z- : Permissible exposure limit

1) / PEL

ACGIH / TWA : 8-hour, time-weighted average 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 REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

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

OSHA P0 / TWA : 8-hour time weighted average OSHA Z-1 / TWA : 8-hour time weighted average



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 000000534122
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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 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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