

6810J MICROMAX™ RESISTOR PASTE

Version **Revision Date:** SDS Number: Date of last issue: 04-12-2024 300000000290 Date of first issue: 01-29-2024 8.0 07-25-2025

SECTION 1. IDENTIFICATION

Product name 6810J MICROMAX™ RESISTOR PASTE

Product code 00000000027046316

Manufacturer or supplier's details

Company name of supplier Celanese Ltd. Irving Texas

Address 222 West Las Colinas Boulevard Suite 900N

Irving TX 75039

Telephone '+1 972-443-4000

DOMESTIC NORTH AMERICA: 800-424-9300 Emergency telephone

number

INTERNATIONAL, CALL +1 703-527-3887 (collect calls

accepted)

Recommended use of the chemical and restrictions on use

Recommended use For industrial use only.

Paste for electronic industry

SECTION 2. HAZARDS IDENTIFICATION

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

Germ cell mutagenicity Category 2

Carcinogenicity Category 2

Reproductive toxicity Category 1A

Specific target organ toxicity

- repeated exposure (Oral)

: Category 1 (Blood)

Other hazards

None known.

GHS label elements

Hazard pictograms

Signal word Danger

Hazard statements H341 Suspected of causing genetic defects.

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

H372 Causes damage to organs (Blood) through prolonged or

repeated exposure if swallowed.



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Precautionary statements : Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.

P260 Do not breathe mist or vapours. P264 Wash skin thoroughly after handling.

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

P280 Wear protective gloves, protective clothing, eye protection

and face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/

attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Terpineol	8000-41-7	>= 1 - < 10
Bis(2-butoxyethyl) ether	112-73-2	>= 1 - < 10

Glass or Ceramic ingredient(s)	70 - 80%
Ruthenium, Lead, Silicon, Manganese,	
Boron	

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

If inhaled : If inhaled, remove to fresh air.

If breathing is difficult, give oxygen.
If not breathing, give artificial respiration.

Get medical attention.

In case of skin contact : Wash off with soap and water.

Get medical attention if irritation develops and persists.

Wash contaminated clothing before re-use.

In case of eye contact : Immediately flush eyes for at least 15 minutes. Get medical



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attention.

If swallowed : If swallowed

Rinse mouth with water.

Call a physician or poison control centre immediately.

DO NOT induce vomiting unless directed to do so by a

physician or poison control center.

Most important symptoms and effects, both acute and

delayed

Suspected of causing genetic defects.

Suspected of causing cancer.

May damage fertility or the unborn child.

Causes damage to organs through prolonged or repeated

exposure if swallowed.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Dry sand Dry chemical

Alcohol-resistant foam

Specific hazards during

firefighting

Hazardous decomposition products formed under fire

conditions.

(see also section 10)

Avoid breathing decomposition products.

Further information : Evacuate personnel to safe areas.

Stop spill/release if it can be done with minimal risk.

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

courses.

Special protective equipment:

for firefighters

Exposure to decomposition products may be a hazard to

health.

Wear self-contained breathing apparatus for firefighting if

necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Wear suitable protective equipment.

Dispose of in accordance with local regulations.

Environmental precautions : Prevent further leakage or spillage if safe to do so.

Prevent product from entering drains.

Clean contaminated floors and objects thoroughly while

observing environmental regulations.



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Methods and materials for containment and cleaning up

Contain spill.

Soak up with inert absorbent material.

Collect and contain contaminated absorbent and dike material

for disposal.

Keep in suitable, closed containers for disposal.

Ventilate the area.

Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

Advice on protection against

fire and explosion

Avoid formation of dust and aerosols.

Keep away from heat and sources of ignition.

Advice on safe handling : Avoid inhalation, ingestion and contact with skin and eyes.

Use only with adequate ventilation/personal protection.

Keep container closed when not in use.

Take care to avoid waste and spillage when weighing, loading

and mixing the product.

Conditions for safe storage : Store in original container.

Keep containers tightly closed in a dry, cool and well-

ventilated place.

Keep away from sources of ignition - No smoking. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

Keep container closed when not in use.

Do not reuse empty container.

Further information on

storage stability

Stable under normal conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Lead	7439-92-1	TWA	0.05 mg/m3 (Lead)	ACGIH
		PEL	0.05 mg/m3 (Lead)	OSHA CARC
		TWA	0.05 mg/m3 (Lead)	NIOSH REL
Silicon	7440-21-3	TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1



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		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
Manganese	7439-96-5	TWA (Fumes)	1 mg/m3 (Manganese)	NIOSH REL
		ST (Fumes)	3 mg/m3 (Manganese)	NIOSH REL
		C (Fumes)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	0.1 mg/m3 (Manganese)	ACGIH
		TWA (Respirable particulate matter)	0.02 mg/m3 (Manganese)	ACGIH
		TWA (Fumes)	1 mg/m3 (Manganese)	OSHA P0
		STEL (Fumes)	3 mg/m3 (Manganese)	OSHA P0

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen		Permissible concentratio	Basis
					n	
Lead	7439-92-1	Lead	In blood	Not	200 μg/l	ACGIH
		(Lead)		critical		BEI

Engineering measures

Local exhaust or a laboratory hood should be used when

handling the materials.

Maintain air concentrations below occupational exposure

standards.

Personal protective equipment

Respiratory protection :

Provide adequate ventilation.

No personal respiratory protective equipment normally

required.

Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with

dust/mist cartridge.

When workers are facing concentrations above the exposure

limit they must use appropriate certified respirators.

Consult the respirator manufacturer to determine the appropriate type of equipment for a given application.

Observe respirator use limitations specified by the

manufacturer.

Persons performing maintenance or repairs on exhaust system equipment (e.g. ducts) may need to use respirators

and protective clothing to prevent exposure to any

accumulated residues.

Hand protection



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Material : Impervious gloves

Remarks : Gloves must be inspected prior to use. Gloves should be

discarded and replaced if there is any indication of degradation or chemical breakthrough. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection : Wear safety glasses with side shields.

Skin and body protection : Choose body protection in relation to its type, to the

concentration and amount of dangerous substances, and to

the specific work-place.

Lightweight protective clothing

Safety shoes

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

practice.

Avoid contact with skin, eyes and clothing.

Contaminated work clothing should not be allowed out of the

workplace.

Remove contaminated clothing and protective equipment

before entering eating areas.

Remove and wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous liquid

Colour : black

Odour : pine

Flash point : 201 °F / 94 °C

Method: Setaflash closed cup - SCC

Density : 2.4 g/cm³ (68 °F / 20 °C)

Solubility(ies)

Water solubility : slightly soluble (68 °F / 20 °C)

Viscosity

Viscosity, dynamic : > 100 Pa.s (77 °F / 25 °C)



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Viscosity, kinematic : > 20.5 mm2/s (104 °F / 40 °C)

estimated

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous

reactions

The product does not normally polymerize significantly. Stable at normal temperatures and storage conditions.

Conditions to avoid : None reasonably foreseeable.

Incompatible materials : Acids

Hazardous decomposition

products

No decomposition if stored and applied as directed.

Under fire conditions:

Carbon monoxide, carbon dioxide and unburned

hydrocarbons (smoke).

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 36.46 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Components:

Lead:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Method: OECD Test Guideline 401

Remarks: Information given is based on data obtained from

similar substances.

Acute inhalation toxicity : LC50 (Rat): > 5.05 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Remarks: Information given is based on data obtained from

similar substances.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg



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Method: OECD Test Guideline 402

Remarks: Information given is based on data obtained from

similar substances.

Terpineol:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral

toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

Silicon:

Acute oral toxicity : LD50 (Rat): 3,160 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Manganese:

Acute oral toxicity : LD50 (Rat): 9,000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Boron:

Acute oral toxicity : LD50 (Rat): 650 mg/kg

Acute inhalation toxicity : Remarks: Due to its physical properties, there is no potential

for adverse effects.

Acute dermal toxicity : Remarks: Due to its physical properties, there is no potential

for adverse effects.

Skin corrosion/irritation

Not classified due to lack of data.

Components:

Lead:

Species : Rabbit

Assessment : Not classified as irritant
Method : OECD Test Guideline 404

Result : No skin irritation

Remarks : Information given is based on data obtained from similar

substances.

Terpineol:



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Species : Rabbit

Assessment : Irritating to skin.

Method : OECD Test Guideline 404

Result : Skin irritation

Silicon:

Remarks : No data available

Manganese:

Remarks : No data available

Boron:

Remarks : non-irritant

Serious eye damage/eye irritation

Not classified due to lack of data.

Components:

Lead:

Species : Rabbit

Result : No eye irritation

Assessment : Not classified as irritant
Method : OECD Test Guideline 405

Remarks : Information given is based on data obtained from similar

substances.

Terpineol:

Species : animals (unspecified species)

Result : Eye irritation
Assessment : Irritating to eyes.

Method : OECD Test Guideline 405

Silicon:

Species : Rabbit

Remarks : slight irritation

Manganese:

Remarks : No data available

Boron:

Remarks : non-irritant

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.



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Components:

Lead:

Species : Guinea pig

Assessment : Does not cause skin sensitisation.

Method : OECD Test Guideline 406

Result : Does not cause skin sensitisation.

Remarks : Information given is based on data obtained from similar

substances.

Terpineol:

Test Type : Maximisation Test

Species : Guinea pig

Assessment : Not a skin sensitizer.

Method : OECD Test Guideline 406

Result : Did not cause sensitisation on laboratory animals.

Silicon:

Remarks : No data available

Manganese:

Remarks : No data available

Boron:

Remarks : Not a skin sensitizer.

Germ cell mutagenicity

Suspected of causing genetic defects.

Components:

Lead:

Germ cell mutagenicity -

Assessment

In vitro tests showed mutagenic effects, Genetic damage in

cultured mammalian cells was observed in some laboratory

tests but not in others.

Terpineol:

Germ cell mutagenicity -

Assessment

Tests on bacterial or mammalian cell cultures did not show

mutagenic effects., Evidence suggests this substance does

not cause genetic damage in animals.

Carcinogenicity

Suspected of causing cancer.

Components:

Lead:

Carcinogenicity - : Suspected human carcinogens, An increased incidence of

Assessment tumours was observed in laboratory animals., Information

given is based on data obtained from similar substances.



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Terpineol:

Carcinogenicity -Not classifiable as a human carcinogen., Overall weight of Assessment

evidence indicates that the substance is not carcinogenic.

IARC Group 2B: Possibly carcinogenic to humans

> Lead 7439-92-1

OSHA OSHA specifically regulated carcinogen

7439-92-1

(Lead and inorganic lead compounds)

NTP Reasonably anticipated to be a human carcinogen

7439-92-1

Reproductive toxicity

May damage fertility or the unborn child.

Components:

Lead:

Reproductive toxicity -

Assessment

Known human reproductive toxicant, Reduced fertility, Information given is based on data obtained from similar

substances.

Delayed foetal development (variations), Information given is

based on data obtained from similar substances.

Terpineol:

Reproductive toxicity -

Assessment

Animal testing showed effects on reproduction at levels equal

to or above those causing parental toxicity.

STOT - single exposure

Not classified due to lack of data.

Components:

Lead:

Assessment The substance or mixture is not classified as specific target

organ toxicant, single exposure.

Terpineol:

Assessment The substance or mixture is not classified as specific target

organ toxicant, single exposure.

STOT - repeated exposure

Causes damage to organs (Blood) through prolonged or repeated exposure if swallowed.

Components:

Terpineol:

Assessment The substance or mixture is not classified as specific target

organ toxicant, repeated exposure.



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Repeated dose toxicity

Components:

Lead:

Species : Rat LOAEL : 200 Application Route : Oral Target Organs : Blood

Assessment : The substance or mixture is classified as specific target organ

toxicant, repeated exposure, category 1.

Remarks : altered blood chemistry

Information given is based on data obtained from similar

substances.

Terpineol:

Species : Rat Application Route : Oral

Remarks : No toxicologically significant effects were found.

Silicon:

Remarks : No data available

Manganese:

Species : Human

Remarks : central nervous system effects

Boron:

Remarks : Due to its physical properties, there is no potential for adverse

effects.

Aspiration toxicity

Not classified due to lack of data.

Components:

Lead:

No aspiration toxicity classification

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Lead:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.107 mg/l

Exposure time: 96 h

Remarks: Information given is based on data obtained from

similar substances.

Toxicity to daphnia and other : EC50 (Ceriodaphnia dubia (water flea)): 0.597 mg/l



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aquatic invertebrates Exposure time: 48 h

Remarks: Information given is based on data obtained from

similar substances.

Toxicity to algae/aquatic

plants

NOEC (algae): 0.0227 mg/l

Exposure time: 96 h

Remarks: Information given is based on data obtained from

similar substances.

Toxicity to fish (Chronic

toxicity)

NOEC (Pimephales promelas (fathead minnow)): 0.02 mg/l

Exposure time: 30 d

Remarks: Information given is based on data obtained from

similar substances.

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Terpineol:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 62 - 80 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other :

aquatic invertebrates

LC50 (Daphnia magna (Water flea)): 73 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

ErC50 (Pseudokirchneriella subcapitata (green algae)): 68

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

EbC50 (Pseudokirchneriella subcapitata (green algae)): 17

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Silicon:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other :

aquatic invertebrates

Remarks: No data available

Toxicity to algae/aquatic

plants

Remarks: No data available

Manganese:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 30.6 mg/l

Toxicity to daphnia and other :

aquatic invertebrates

LC50 (Daphnia magna (Water flea)): 19.2 mg/l

Remarks: No data available



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Toxicity to algae/aquatic

plants

Remarks: No data available

Boron:

Toxicity to fish : Remarks: This product has no known ecotoxicological effects.

Persistence and degradability

Components:

Terpineol:

Biodegradability : Biodegradation: 80 %

Exposure time: 28 d

Method: OECD Test Guideline 301 Remarks: Readily biodegradable.

Bioaccumulative potential

Components:

Terpineol:

Bioaccumulation : Bioconcentration factor (BCF): 24.13

Remarks: Bioaccumulation is unlikely.

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If recycling is not practicable, dispose of in compliance with

local regulations.

Do not reuse empty container. Never place unused product

down any indoor or out door drain.

Contaminated/not cleaned containers should be

treated/handled like product waste. Dispose of container properly. Refer to applicable Local, State/Provincial, and Federal Regulations, as well as industry Standards.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(Ceramic, Dicopper oxide)

Class : 9 Packing group : III



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Labels : 9 Environmentally hazardous : no

IATA-DGR

UN/ID No. : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

964

(Ceramic, Dicopper oxide)

Class : 9 Packing group : III

Labels : Miscellaneous

Packing instruction (cargo

aircraft)

Packing instruction : 964

(passenger aircraft)

IMDG-Code

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(Ceramic, Dicopper oxide)

Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : no

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

Special precautions for user

Remarks : Marine Pollutants assigned UN number 3077 and 3082 in

single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code, IATA special provision A197, and ADR/RID special provision 375.

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

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 : Germ cell mutagenicity

Carcinogenicity
Reproductive toxicity



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Specific target organ toxicity (single or repeated exposure)

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

Lead 7439-92-1

Manganese 7439-96-5

California Prop. 65

WARNING: This product can expose you to chemicals including Lead, 2,2'-Iminodiethanol, which is/are known to the State of California to cause cancer, and

Lead, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Regulated Carcinogens

Lead 7439-92-1

TSCA list

In compliance with TSCA-active Inventory requirements for commercial purposes.

The following substance(s) is/are subject to a Significant New Use Rule:

Bis(2-butoxyethyl) ether 112-73-2 See 40 CFR § 721.10229; Final

Rule

See 40 CFR § 721.10229; Proposed

Rule

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:

Bis(2-butoxyethyl) ether 112-73-2 Lead 7439-92-1

SECTION 16. OTHER 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 CARC : OSHA Specifically Regulated Chemicals/Carcinogens
OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated

values)

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

Limits for Air Contaminants

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

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 CARC / PEL : Permissible exposure limit (PEL)
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 / C : Ceiling



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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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