

MasterSeal TC 235

Version 1.1 Revision Date: 01/12/2021 SDS Number: 000000742656 Date of last issue: 07/10/2020
Date of first issue: 07/10/2020

SECTION 1. IDENTIFICATION

Product name : MasterSeal TC 235
Product code : 000000000050504034 000000000050504034
Other means of identification : MSeal TC 235 gray

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
One-pack performance coating
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
Acute toxicity (Inhalation) : Category 4
Serious eye damage/eye irritation : Category 2A
Skin corrosion/irritation : Category 2
Respiratory sensitization : Category 1
Skin sensitization : Category 1A
Germ cell mutagenicity : Category 2
Specific target organ toxicity - repeated exposure : Category 1 (Central nervous system)
Reproductive toxicity : Category 1B
Hazardous to the aquatic environment - acute hazard : Category 3
Hazardous to the aquatic : Category 3

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environment - chronic hazard

GHS label elements

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H226 Flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H315 Causes skin irritation.
 H332 Harmful if inhaled.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H317 May cause an allergic skin reaction.
 H341 Suspected of causing genetic defects.
 H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.
 H360 May damage fertility or the unborn child.
 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.
 P271 Use only outdoors or in a well-ventilated area.
 P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P201 Obtain special instructions before use.
 P273 Avoid release to the environment.
 P243 Take action to prevent static discharges.
 P284 In case of inadequate ventilation wear respiratory protection.
 P202 Do not handle until all safety precautions have been read and understood.
 P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
 P270 Do not eat, drink or smoke when using this product.
 P264 Wash face, hands and any exposed skin thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P233 Keep container tightly closed.
 P242 Use only non-sparking tools.
 P240 Ground and bond container and receiving equipment.

Response:

P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

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to do. Continue rinsing.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P314 Get medical advice/ attention if you feel unwell.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage:

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

Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : polyurethane

Components

| Chemical name | CAS-No. | Concentration (% w/w) |
|--|------------|-----------------------|
| 4,4'-methylenedicyclohexyl diisocyanate | 5124-30-1 | >= 10 - <= 15 |
| 4-Chloro- α,α,α -trifluorotoluene | 98-56-6 | >= 5 - < 15 |
| talc | 14807-96-6 | >= 5 - <= 15 |
| Stoddard solvent | 8052-41-3 | >= 7 - <= 10 |
| Calcium sulphate | 7778-18-9 | >= 3 - <= 7 |
| Titanium dioxide | 13463-67-7 | >= 1 - <= 3 |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate | 41556-26-7 | >= 0.3 - <= 1 |
| dibutyltin dilaurate | 77-58-7 | >= 0.2 - <= 0.3 |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | 82919-37-7 | >= 0.1 - <= 0.2 |

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
 Show this material safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.

If inhaled : Call a physician or poison control center immediately.

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- If unconscious, place in recovery position and seek medical advice.
- 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 : Immediately flush eye(s) with plenty of water.
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 skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing genetic defects.
May damage fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- 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.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- 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 : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).
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 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 application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
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 : no smoking
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.

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Observe label precautions.
 Electrical installations / working materials must comply with the technological safety standards.

Further information on storage 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 TRGS 509/510 storage rules.

Further information on storage 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 |
|--|-----------|-------------------------------|--|--------------------------------|
| dibutyltin dilaurate | 77-58-7 | TWA value | 0.1 mg/m ³ (tin (Sn)) | ACGIHTLV |
| | | STEL value | 0.2 mg/m ³ (tin (Sn)) | ACGIHTLV |
| | | REL value | 0.1 mg/m ³ (tin (Sn)) | NIOSH |
| | | PEL | 0.1 mg/m ³ (tin (Sn)) | 29 CFR 1910.1000 (Table Z-1) |
| | | TWA value | 0.1 mg/m ³ (tin (Sn)) | 29 CFR 1910.1000 (Table Z-1-A) |
| | | TWA | 0.1 mg/m ³ (Tin) | OSHA Z-1 |
| | | TWA | 0.1 mg/m ³ (Tin) | ACGIH |
| | | STEL | 0.2 mg/m ³ (Tin) | ACGIH |
| | | TWA | 0.1 mg/m ³ (Tin) | OSHA P0 |
| | | TWA | 0.1 mg/m ³ (Tin) | NIOSH REL |
| 4,4'-methylenedicyclohexyl diisoncyanate | 5124-30-1 | TWA value | 0.005 ppm | ACGIHTLV |
| | | Ceil_Time | 0.01 ppm 0.11 mg/m ³ | NIOSH |
| | | CLV | 0.01 ppm 0.11 mg/m ³ | 29 CFR 1910.1000 (Table Z-1-A) |
| | | TWA | 0.005 ppm | ACGIH |
| | | C | 0.01 ppm 0.11 mg/m ³ | NIOSH REL |
| | | C | 0.01 ppm | OSHA P0 |

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| | | | 0.11 mg/m3 | |
| Calcium sulphate | 7778-18-9 | TWA value (Inhalable fraction) | 10 mg/m3 | ACGIHTLV |
| | | 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 (Total dust) | 15 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | 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 |
| | | TWA (Total dust) | 15 mg/m3 | OSHA P0 |
| | | TWA (respirable dust fraction) | 5 mg/m3 | OSHA P0 |
| | | TWA (Inhalable particulate matter) | 10 mg/m3 (Calcium) | ACGIH |
| Titanium dioxide | 13463-67-7 | TWA value | 10 mg/m3 | ACGIHTLV |
| | | PEL (Total dust) | 15 mg/m3 | 29 CFR 1910.1000 (Table Z-1) |
| | | TWA value (Total dust) | 10 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | TWA (total dust) | 15 mg/m3 | OSHA Z-1 |
| | | TWA (Total dust) | 10 mg/m3 | OSHA P0 |
| | | TWA | 10 mg/m3 (Titanium dioxide) | ACGIH |
| talc | 14807-96-6 | TWA value (Respirable fraction) | 2 mg/m3 | ACGIHTLV |
| | | TWA (Dust) | 20 Million particles per cubic foot | OSHA Z-3 |
| | | TWA (respir- | 2 mg/m3 | OSHA P0 |

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| | | able dust fraction) | | |
| | | TWA (Respirable) | 2 mg/m3 | NIOSH REL |
| | | TWA | 0.1 fibres per cubic centimeter | ACGIH |
| | | TWA (Respirable particulate matter) | 2 mg/m3 | ACGIH |
| Stoddard solvent | 8052-41-3 | TWA value | 100 ppm | ACGIH TLV |
| | | 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 |
| | | C | 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 appropriate certified respirator when exposure limits may be exceeded.

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
Wear face-shield and protective suit for abnormal processing problems.

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.

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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 : gray

Odor : solvent

Odor Threshold : not determined

pH : No data available

Melting point : No applicable information available.

Boiling point : No applicable information available.

Flash point : approx. 131 °F / 55 °C

Evaporation rate : No applicable information available.

Flammability (solid, gas) : Flammable.

Upper explosion limit / Upper flammability limit : No applicable information available.

Lower explosion limit / Lower flammability limit : No applicable information available.

Vapor pressure : No data available

Relative vapor density : No applicable information available.

Relative density : No applicable information available.

Density : approx. 1.1600 g/cm³ (68 °F / 20 °C)

Solubility(ies)

 Water solubility : No data available

 Solubility in other solvents : No applicable information available.

Partition coefficient: n-octanol/water : No applicable information available.

Autoignition temperature : not determined

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Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

Viscosity
Viscosity, dynamic : No applicable information available.

Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive

Oxidizing properties : Not an oxidizer.

Sublimation point : No applicable information available.

Molecular weight : No applicable information 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 reactions : 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**

Harmful if inhaled.

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

Causes skin irritation.

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Product:

Remarks : May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks : May cause irreversible eye damage.

Respiratory or skin sensitization**Skin sensitization**

May cause an allergic skin reaction.

Respiratory sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Product:

Remarks : Causes sensitization.

Germ cell mutagenicity

Suspected of causing genetic defects.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

May damage fertility or the unborn child.

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.

Product:

No aspiration hazard expected.

Further information**Product:**

Remarks : Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:**

dibutyltin dilaurate:

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M-Factor (Acute aquatic toxicity) : 1

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

Persistence and degradability

No data available

Bioaccumulative potential**Components:****4-Chloro- α,α,α -trifluorotoluene:**

Partition coefficient: n-octanol/water : log Pow: 3.6
Method: other (calculated)
Remarks: Information taken from reference works and the literature.

Stoddard solvent:

Partition coefficient: n-octanol/water : log Pow: 3.5 - 6.4 (68 °F / 20 °C)
Method: Partition coefficient (n-octanol/water), HPLC method.

dibutyltin dilaurate:

Partition coefficient: n-octanol/water : log Pow: 3.17 (69.4 °F / 20.8 °C)
pH: 6.1 - 6.3
Method: Partition coefficient (n-octanol/water), Shake-flask method
GLP: yes

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : 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.

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 contaminate ponds, waterways or ditches with chemi-

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cal or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

UN/ID No. : UN 1263
Proper shipping name : PAINT
Class : 3
Packing group : III
Labels : Flammable Liquids
Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355

IMDG-Code

UN number : UN 1263
Proper shipping name : PAINT

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

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

Not applicable for product as supplied.

Domestic regulation**49 CFR**

UN/ID/NA number : UN 1263
Proper shipping name : PAINT, COMBUSTIBLE LIQUID

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.

SECTION 15. REGULATORY INFORMATION

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SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

| | |
|---------------------------------|-----------|
| 4,4'-methylene- diisocyanate | 5124-30-1 |
|---------------------------------|-----------|

US State Regulations**Pennsylvania Right To Know**

| | |
|---------------------------------|------------|
| 4,4'-methylene- diisocyanate | 5124-30-1 |
| Calcium sulphate | 7778-18-9 |
| Titanium dioxide | 13463-67-7 |
| talco | 14807-96-6 |
| Stoddard solvent | 8052-41-3 |
| Carbon black | 1333-86-4 |

New Jersey Right To Know

| | |
|--|------------|
| 4-Chloro- α,α,α -trifluorotoluene | 98-56-6 |
| 4,4'-methylene- diisocyanate | 5124-30-1 |
| Calcium sulphate | 7778-18-9 |
| Titanium dioxide | 13463-67-7 |
| talco | 14807-96-6 |
| Stoddard solvent | 8052-41-3 |

California Prop. 65

WARNING: This product can expose you to chemicals including 4-Chloro- α,α,α -trifluorotoluene, which is/are known to the State of California to cause cancer, and toluene, 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.

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

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.

DSL : This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.

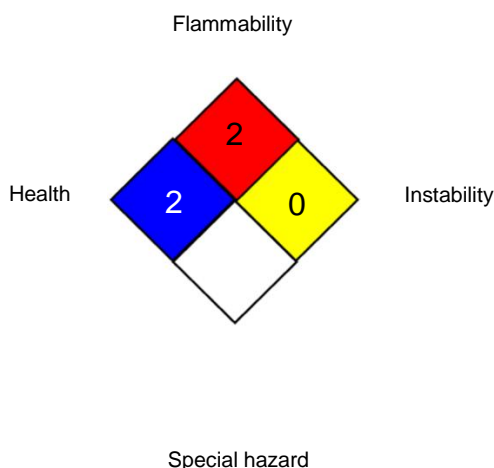
Fatty acids, C14-18 and C16-18-unsatd., maleated

SECTION 16. OTHER INFORMATION**Further information**

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NFPA 704:



HMIS® IV:

| | | |
|-----------------|--|--|
| HEALTH | | |
| FLAMMABILITY | | |
| PHYSICAL HAZARD | | |

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-1-A) | : OSHA - Table Z-1-A (29 CFR 1910.1000) |
| 29 CFR 1910.1000 (Table Z-1) | : 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 P0 | : USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000 |
| OSHA Z-1 | : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
| OSHA Z-3 | : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts |
| 29 CFR 1910.1000 (Table Z-1-A) / CLV | : Ceiling Limit Value: |
| 29 CFR 1910.1000 (Table Z-1-A) / TWA value | : Time Weighted Average (TWA): |
| 29 CFR 1910.1000 (Table Z-1) / PEL | : Permissible exposure limit |
| 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 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 P0 / C | : Ceiling limit |
| OSHA Z-1 / TWA | : 8-hour time weighted average |

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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 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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