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 Substance key: 000000025931
 Revision Date: 03/14/2023

 Version: 4 - 0 / USA
 Date of printing: 04/05/2023

SECTION 1. IDENTIFICATION

Identification of the Clariant Plastics & Coatings

company: (Deutschland) GmbH Frankfurt am Main, 65926

Telephone No.: +49 69 305 18000

Information of the substance/preparation:

Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com

Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: EXOLIT IFR 36

Material number: 155901

Primary product use: Flame retardants

Chemical family: Mixture of flame retardants

SECTION 2. HAZARDS IDENTIFICATION

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

Reproductive toxicity : Category 2

GHS label elements

Hazard pictograms



Signal word : Warning

Hazard statements : H361f Suspected of damaging fertility.

Precautionary statements : Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

Response:

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

attention.

Storage:

P405 Store locked up.



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Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)		
Silica gel, precipitated, crystalline	112926-00-8	>= 1 - < 5		
free				
Melamine	108-78-1	>= 0.1 - < 1		
And the language of the Control of t				

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice Get medical advice/ attention if you feel unwell.

If inhaled Move the victim to fresh air.

> Give oxygen or artificial respiration if needed. Get immediate medical advice/ attention.

Never give anything by mouth to an unconscious person.

In case of skin contact Wash thoroughly with soap and water for 15 minutes. If skin

irritation occurs, seek medical attention.

In case of eye contact Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes.

Get medical attention immediately if irritation develops and

persists.

If swallowed, DO NOT induce vomiting. If swallowed

> Do not give anything to drink. Call a physician immediately.

Most important symptoms and effects, both acute and

delayed

The possible symptoms known are those derived from the

labelling (see section 2).

No additional symptoms are known.

Notes to physician Treat symptomatically.



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Suitable extinguishing media : Water spray jet

Foam

Unsuitable extinguishing

media

High volume water jet Carbon dioxide (CO2)

Dry powder

Specific hazards during

firefighting

In case of fires, hazardous combustion gases are formed:

Carbon monoxide (CO) Carbon dioxide (CO2) Nitrogen oxides (NOx)

Electrical grounding of equipment is required to prevent possible dust explosion. Emits toxic fumes under fire

conditions.

Further information : Exercise caution when fighting any chemical fire. Use NIOSH

approved self-contained breathing apparatus and full

protective clothing.

Special protective equipment :

for firefighters

Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Do not breathe dust.

Wear suitable protective equipment.

Wearing appropriate personal protective equipment, contain

spill and collect into a suitable container.

Prevent from entering into soil, ditches, sewers, waterways

and/or groundwater.

Environmental precautions

The product should not be allowed to enter drains, water

courses or the soil.

Methods and materials for containment and cleaning up

Take up mechanically

Dispose of absorbed material in accordance with the

regulations.

Avoid dust formation.

Take measures to prevent the build up of electrostatic charge.

Risk of dust explosion.

SECTION 7. HANDLING AND STORAGE

Advice on protection against

fire and explosion

Take precautionary measures against build-up of electrostatic

charges, e.g earthing during loading and off-loading

operations.

Keep away sources of ignition.

Dust can form an explosive mixture in air.



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Advice on safe handling : Avoid dust formation. Keep away from sources of ignition.

Lead off electrostatic charges.

Avoid inhalation, ingestion and contact with skin and eyes.

Wash thoroughly after handling.

Conditions for safe storage : Keep only in unopened original container.

Further information on storage conditions

Store in original container.
Keep container tightly closed.

Store in a cool, dry, well-ventilated area.

Store in original container. Keep container tightly closed.

Store in a cool, dry, well-ventilated area.

Materials to avoid : Do not store with alkalies

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Silica gel, precipitated, crystalline free	112926-00-8	TWA	6 mg/m3	OSHA P0
		TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m3 (Silica)	NIOSH REL
Silica gel, precipitated, crystalline free	112926-00-8	TWA	6 mg/m3	OSHA P0
		TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m3 (Silica)	NIOSH REL
Melamine	108-78-1	TWA	3 mg/m3	US WEEL

Engineering measures

A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).



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Personal protective equipment

Respiratory protection : Use NIOSH/MSHA approved respirators following

manufacturer's recommendations where dust or fume may be

generated.

Hand protection

Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Safety glasses with side-shields

Skin and body protection : Wear protective clothing, including long sleeves and gloves,

to prevent skin contact.

Protective measures : Observe the usual precautions for handling chemicals.

Hygiene measures : Wash hands before breaks and at the end of workday.

Use protective skin cream before handling the product.

Take off immediately all contaminated clothing and wash it

before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid

Colour : white

Odour : not specified

Odour Threshold : Not tested

pH : approx. 6.5 (77 °F / 25 °C)

Concentration: 10 g/l

Decomposition temperature : > 446 °F / > 230 °C

Boiling point : not determined (for a component of this mixture)

Flash point : Not applicable

Self-ignition : Method: Expert judgement

The substance or mixture is not classified as pyrophoric.

Burning number : 1

Does not catch fire

Upper explosion limit / upper

flammability limit

Not applicable

Lower explosion limit / Lower : Not applicable



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flammability limit

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Density : 1.8 g/cm3 (77 °F / 25 °C)

Solubility(ies)

Water solubility : $\leq 100 \text{ g/l} (77 \text{ °F} / 25 \text{ °C})$

Partition coefficient: n-

octanol/water

Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : > 527 °F / > 275 °C

Viscosity

Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Explosive properties : Not explosive

Not explosive

Method: Expert judgement

Oxidizing properties : Method: Expert judgement

not oxidizing The product does not contain organic peroxidegroups which result from either the manufacturing process or

from added ingredients.

Surface tension : Based on chemical structure, no surface activity is expected

or can be predicted.

Metal corrosion rate : Not applicable

Particle size : ca. 12 µm

Median value

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable

Possibility of hazardous

reactions

Contact with strong bases liberates ammonia.

The substance or mixture does not emit flammable gases in

contact with water.
Not corrosive to metals



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Conditions to avoid : Keep away from strong bases.

Incompatible materials : See under section "Conditions to avoid"

Hazardous decomposition

products

: Ammonia

Nitrogen oxides (NOx)

Carbon monoxide and carbon dioxide

Phosphorus oxides (eg Phosphorus pentoxide)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact Skin contact Inhalation

Acute toxicity

Product:

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

Components:

Silica gel, precipitated, crystalline free:

Acute oral toxicity : LD50 (Rat): > 10,000 mg/kg

Acute inhalation toxicity : LC0 (Rat): 0.139 mg/l

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Melamine:

Acute oral toxicity : LD50 (Rat, male and female): 3,161 - 3,828 mg/kg

Method: Other

GLP: No information available.

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.19 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

GLP: yes

Assessment: The substance or mixture has no acute

inhalation toxicity

Acute dermal toxicity : Remarks: no data available

Skin corrosion/irritation

Product:

Species : Rabbit

Result : No skin irritation



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Species : Rabbit

Result : slight irritant effect - does not require labelling

Components:

Silica gel, precipitated, crystalline free:

Species : Rabbit

Result : No skin irritation

Result : Product dust may be irritating to eyes, skin and respiratory

system.

Melamine:

Species : Rabbit Exposure time : 4 h

Method : OECD Test Guideline 404

Result : No skin irritation

GLP : yes

Serious eye damage/eye irritation

Product:

Species : rabbit eye
Result : No eye irritation

Components:

Silica gel, precipitated, crystalline free:

Species : rabbit eye Result : No eye irritation

Result : Product dust may be irritating to eyes, skin and respiratory

system.

Melamine:

Species : Rabbit

Result : No eye irritation

Method : Other GLP : no

Respiratory or skin sensitisation

Components:

Silica gel, precipitated, crystalline free:

Result : not known

Melamine:

Test Type : Maximisation Test
Exposure routes : Skin contact
Species : Guinea pig



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Method : OECD Test Guideline 406 Result : Not a skin sensitizer.

GLP : yes

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: not tested.

Components:

Silica gel, precipitated, crystalline free:

Genotoxicity in vitro : Result: negative

Germ cell mutagenicity -

Assessment

: In vitro tests did not show mutagenic effects, In vivo tests did

not show mutagenic effects

Melamine:

Genotoxicity in vitro : Test Type: Ames test

Test system: Salmonella typhimurium Concentration: 50 - 5000 μg/plate

Metabolic activation: with and without metabolic activation

Method: Ames test Result: negative GLP: yes

Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells

Concentration: 240 - 300 µg/ml

Metabolic activation: with and without metabolic activation

Method: Other Result: negative

GLP: No information available.

Test Type: In vitro gene mutation study in mammalian cells

Test system: Chinese hamster ovary cells

Concentration: 600 - 1000 µg/ml

Metabolic activation: with and without metabolic activation

Method: Other Result: negative GLP: yes

Genotoxicity in vivo : Test Type: Chromosome Aberration Test

Species: Mouse (male and female)

Strain: CD1

Cell type: Bone marrow

Application Route: oral (gavage) Exposure time: 1 - 2 treatments, 24 h Dose: 1000 - 10000 - 20000 mg/kg

Method: Other Result: negative GLP: yes



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Germ cell mutagenicity - : In vitro tests did not show mutagenic effects, In vivo tests did

Assessment not show mutagenic effects

Carcinogenicity

Product:

Remarks : not tested.

Components:

Silica gel, precipitated, crystalline free:

Carcinogenicity - : Not classifiable as a human carcinogen.

Assessment

Melamine:

Species : Rat, male and female

Application Route : oral (feed)
Exposure time : 103 w
Control Group : yes
Frequency of Treatment : daily

126 mg/kg bw/day

Method : Other Result : equivocal

GLP : No information available.

Carcinogenicity - : Weight of evidence does not support classification as a

Assessment carcinogen

IARC Group 2B: Possibly carcinogenic to humans

Melamine 108-78-1

OSHANo component of this product present at levels greater than or equal to 0.1% is

on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is

identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Product:

Effects on fertility : Remarks: not tested.

Reproductive toxicity -

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: No information available.

Assessment

Components:

Silica gel, precipitated, crystalline free:

Effects on fertility : Remarks: Based on available data, the classification criteria

are not met.



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Reproductive toxicity -

Assessment

No reproductive toxicity to be expected. No teratogenic effects to be expected.

Melamine:

Effects on fertility : Test Type: Fertility/early embryonic development

Species: Other Method: Other

Remarks: Fertility and developmental toxicity tests did not

reveal any effect on reproduction.

Effects on foetal development

Test Type: Pre-natal Species: Rat. female

Strain: wistar

Application Route: oral (feed)
Dose: 136, 400, 1060 mg/kg bw/day

General Toxicity Maternal: NOAEL: 400 mg/kg body weight

Teratogenicity: NOAEL: 1,060 mg/kg body weight

Method: OECD Test Guideline 414

GLP: yes

Reproductive toxicity -

Assessment

Some evidence of adverse effects on sexual function and

fertility, based on animal experiments.

Embryotoxicity classification not possible from current data.

STOT - single exposure

Product:

Remarks : not available

Components:

Silica gel, precipitated, crystalline free:

Remarks : no data available

Melamine:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, single exposure.

STOT - repeated exposure

Product:

Remarks : not available

Components:

Silica gel, precipitated, crystalline free:

Remarks : no data available

Melamine:

Assessment : The substance or mixture is not classified as specific target



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organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks : not tested.

Components:

Silica gel, precipitated, crystalline free:

Remarks : No adverse effect has been observed in chronic toxicity tests.

Melamine:

Species : Rat, male and female NOAEL : 72 mg/kg bw/day Application Route : oral (feed)

Exposure time : 13 w

Dose : 750 - 18000 ppm nominal in die

Control Group : yes

Method : Repeated Dose Toxicity (subchronic study)

GLP : No information available. Target Organs : Urinary system, Bladder

Application Route : Inhalation

Remarks : This information is not available.

Application Route : Skin contact

Remarks : This information is not available.

Aspiration toxicity

Product:

no data available

Components:

Silica gel, precipitated, crystalline free:

No aspiration toxicity classification

Melamine:

No aspiration toxicity classification

Experience with human exposure

Product:

General Information : The possible symptoms known are those derived from the

labelling (see section 2).

Further information

Product:



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Remarks : The product has not been tested. The statements are derived

from products of a similar composition.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : Remarks: no data available

Toxicity to soil dwelling

organisms

Remarks: not available

Plant toxicity : Remarks: not available

Sediment toxicity : Remarks: not available

Toxicity to terrestrial

organisms

Remarks: not available

Components:

Silica gel, precipitated, crystalline free:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 10,000 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 10,000 mg/l

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

Remarks: no data available

Toxicity to fish (Chronic

toxicity)

Remarks: not required

Toxicity to daphnia and other :

aquatic invertebrates

(Chronic toxicity)

Remarks: not required

Toxicity to microorganisms : Remarks: no data available

Toxicity to soil dwelling

organisms

Remarks: Not applicable

Plant toxicity : Remarks: Not applicable

Sediment toxicity : Remarks: Not applicable

Toxicity to terrestrial

organisms

Remarks: Not applicable



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Melamine:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 3,000 mg/l

End point: mortality Exposure time: 96 h Test Type: semi-static test Analytical monitoring: no

Method: Other GLP: no

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

concentration.

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia sp. (water flea)): 200 mg/l

End point: Immobilization Exposure time: 48 h Test Type: static test Analytical monitoring: no

Method: Regulation (EC) No. 440/2008, Annex, C.2

GLP: yes

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

concentration.

Toxicity to algae/aquatic

plants

ErC50 (Pseudokirchneriella subcapitata (green algae)): 325

mg/l

End point: Growth rate Exposure time: 96 h Test Type: static test

Analytical monitoring: no data available

Method: Other GLP: yes

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

concentration.

Toxicity to fish (Chronic

toxicity)

NOEC (Pimephales promelas (fathead minnow)): >= 5.1 mg/l

End point: length of young fish

Exposure time: 36 d

Test Type: flow-through test Analytical monitoring: yes

Method: OECD Test Guideline 210

GLP: yes

Toxicity to daphnia and other :

aquatic invertebrates (Chronic toxicity)

NOEC (Daphnia sp. (water flea)): >= 11 mg/l

End point: Reproduction rate

Exposure time: 21 d Test Type: semi-static test Analytical monitoring: yes

Method: OECD Test Guideline 211

GLP: yes

Toxicity to microorganisms : EC0 (Natural microorganism): > 100 mg/l

Exposure time: 2 h
Test Type: static test
Analytical monitoring: yes

Method: Other



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GLP: no

Persistence and degradability

Product:

Biodegradability : Remarks: not available

Components:

Silica gel, precipitated, crystalline free:

Biodegradability : Remarks: Not applicable

Melamine:

Biodegradability : aerobic

Inoculum: activated sludge Concentration: 100 mg DOC/I Dissolved organic carbon (DOC) Result: not rapidly degradable Biodegradation: < 10 % Exposure time: 28 d

Method: OECD Test Guideline 302B GLP: No information available.

aerobic

Inoculum: activated sludge

Method: Other

GLP: No information available.

Remarks: The product is biodegradable after lengthy

adaptation.

Physico-chemical

removability

: Remarks: Not readily eliminated from water.

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: not available

Components:

Silica gel, precipitated, crystalline free:

Bioaccumulation : Remarks: Not applicable

Melamine:

Bioaccumulation : Species: Cyprinus carpio (Carp)

Bioconcentration factor (BCF): 0.38 - 3.8

Exposure time: 42 d

Concentration: 0.2 - 2 mg/l

Method: Other

GLP: No information available.



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Partition coefficient: n-

: log Pow: -1.22 (72 °F / 22 °C) pH: 8

octanol/water

Method: Regulation (EC) No. 440/2008, Annex, A.8

GLP: no

Mobility in soil

Product:

Distribution among

environmental compartments

Remarks: not available

Components:

Silica gel, precipitated, crystalline free:

Distribution among : adsorption

environmental compartments Medium: water - soil

Remarks: After release, adsorbs onto soil.

Melamine:

Distribution among environmental compartments

Adsorption/Soil Medium: water - soil log Koc: 1.13 - 1.51

Method: estimated

Other adverse effects

Product:

Environmental fate and

pathways

Remarks: no data available

Results of PBT and vPvB

assessment

Remarks: no data available

Additional ecological

information

The product should not be allowed to enter drains, water

courses or the soil.

The product has not been tested. The information is derived

from the properties of the individual components.

Components:

Silica gel, precipitated, crystalline free:

Environmental fate and

pathways

no data available

Results of PBT and vPvB

assessment

Remarks: Not applicable

Additional ecological

information

The product should not be allowed to enter drains, water

courses or the soil.

Melamine:



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Environmental fate and

pathways

no data available

Results of PBT and vPvB

assessment

This substance is not considered to be persistent,

bioaccumulating and toxic (PBT).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource

Conservation and Recovery

Authorization Act

This product, if discarded as sold, is not a Federal RCRA

hazardous waste.

Waste Code : None

Waste from residues : Dispose of spilled or waste product, contaminated soil and

other contaminated materials in licensed landfill or treatment

facility in accordance with all local, state, and federal

regulations.

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as

product waste

SECTION 14. TRANSPORT INFORMATION

DOT not restricted

IATA not restricted

IMDG not restricted

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

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 : Reproductive toxicity

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.

Clean Air Act



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This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

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

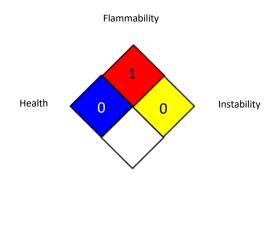
TSCA : On TSCA Inventory, All components are compliant with the

TSCA Inventory Notification (Active) rule.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



Special hazard

Full text of other abbreviations

NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated

values)

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

Mineral Dusts

US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour



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workday during a 40-hour workweek

OSHA P0 / TWA : 8-hour time weighted average OSHA Z-3 / TWA : 8-hour time weighted average

US WEEL / TWA : 8-hr TWA

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

None known.

For additional information, contact Product Stewardship.

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