according to the OSHA Hazard Communication Standard



SUBDUE GR

Version Revision Date: SDS Number: Date of last issue: 07/26/2024 0.0 07/30/2024 S172639772 Date of first issue: 08/03/2015

SECTION 1. IDENTIFICATION

Product name : SUBDUE GR Design code : A9603A

Product Registration number : 100-794

Manufacturer or supplier's details

Company name of supplier : Syngenta Crop Protection, LLC

Address : Post Office Box 18300 Greensboro NC 27419

United States of America (USA)

Telephone : 1 800 334 9481 Telefax : 1 336 632 2192

E-mail address : sds.requests@syngenta.com

Emergency telephone : 1 800 888 8372

Recommended use of the chemical and restrictions on use

Recommended use : Fungicide

Restrictions on use : General Use Pesticide

SECTION 2. HAZARDS IDENTIFICATION

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

Acute toxicity (Inhalation) : Category 2

Reproductive toxicity : Category 1B

Specific target organ toxicity

- single exposure

Category 3 (Respiratory system)

Specific target organ toxicity

- repeated exposure

(Inhalation)

Category 1 (Lungs)

GHS label elements

Hazard pictograms :







Signal Word : Danger

Hazard Statements : H330 Fatal if inhaled.

H335 May cause respiratory irritation. H360D May damage the unborn child.

according to the OSHA Hazard Communication Standard



SUBDUE GR

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/26/2024

 0.0
 07/30/2024
 S172639772
 Date of first issue: 08/03/2015

H372 Causes damage to organs (Lungs) through prolonged or

repeated exposure if inhaled.

Precautionary Statements : Provi

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.

P260 Do not breathe dust.

P264 Wash skin thoroughly after handling.

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

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

P284 Wear respiratory protection.

Response:

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

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

attention.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container

tightly closed.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste dis-

posal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
fuller's earth	8031-18-3	>= 90 - <= 100
dioxosilane	14808-60-7	>= 5 - < 10
1-methyl-2-pyrrolidone	872-50-4	>= 1 - < 5
metalaxyl-M	70630-17-0	1

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : Have the product container, label or Safety Data Sheet with

you when calling the emergency number, a poison control

center or physician, or going for treatment.

If inhaled : Take the victim into fresh air.

If breathing is irregular or stopped, administer artificial

according to the OSHA Hazard Communication Standard



SUBDUE GR

Version Revision Date: SDS Number: Date of last issue: 07/26/2024 0.0 07/30/2024 S172639772 Date of first issue: 08/03/2015

respiration.

Keep patient warm and at rest.

Call a physician or poison control center immediately.

In case of skin contact : Take off all contaminated clothing immediately.

Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

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

for at least 15 minutes. Remove contact lenses.

Immediate medical attention is required.

If swallowed : If swallowed, seek medical advice immediately and show this

container or label.

Do NOT induce vomiting.

Most important symptoms and effects, both acute and

delayed

Nonspecific

No symptoms known or expected.

Fatal if inhaled.

May cause respiratory irritation. May damage the unborn child.

Causes damage to organs through prolonged or repeated

exposure if inhaled.

Notes to physician : There is no specific antidote available.

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Extinguishing media - large fires

Alcohol-resistant foam

or

Water spray

Unsuitable extinguishing

media

Do not use a solid water stream as it may scatter and spread

fire.

Specific hazards during fire

fighting

As the product contains combustible organic ingredients, fire

will produce dense black smoke containing hazardous

products of combustion (see section 10).

Exposure to decomposition products may be a hazard to

health.

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

courses.

Cool closed containers exposed to fire with water spray.

Special protective equipment:

for fire-fighters

Wear full protective clothing and self-contained breathing

apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emer-

Refer to protective measures listed in sections 7 and 8.

Avoid dust formation.

according to the OSHA Hazard Communication Standard



SUBDUE GR

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/26/2024

 0.0
 07/30/2024
 S172639772
 Date of first issue: 08/03/2015

gency procedures

Environmental precautions : Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for containment and cleaning up

Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for

disposal according to local regulations (see section 13).

Do not create a powder cloud by using a brush or compressed

air.

Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents.

Retain and dispose of contaminated wash water.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : No special protective measures against fire required.

Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
For personal protection see section 8.

Conditions for safe storage : No special storage conditions required.

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

ventilated place.

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
dioxosilane	14808-60-7	TWA (respirable)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3 (Silica)	ACGIH
		TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
		TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
1-methyl-2-pyrrolidone	872-50-4	TWA	15 ppm 60 mg/m3	US WEEL
		STEL	30 ppm 120 mg/m3	US WEEL
metalaxyl-M	70630-17-0	TWA	5 mg/m3	Syngenta

according to the OSHA Hazard Communication Standard



SUBDUE GR

Version Revision Date: SDS Number: Date of last issue: 07/26/2024 0.0 07/30/2024 S172639772 Date of first issue: 08/03/2015

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentration	Basis
1-methyl-2-pyrrolidone	872-50-4	5-Hydroxy- N-methyl-2- pyrrolidone	Urine	End of shift (As soon as possible after exposure ceases)	100 mg/l	ACGIH BEI

Engineering measures

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use.

Maintain air concentrations below occupational exposure standards.

Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Respiratory protection : Where concentrations are above recommended limits or are

unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided

by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other

circumstance where air purifying respirators may not provide

adequate protection.

Hand protection

Remarks : Wear protective gloves. 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. 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. The break through time depends amongst other things from the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of

degradation or chemical breakthrough.

Eye protection : No special protective equipment required.

according to the OSHA Hazard Communication Standard



SUBDUE GR

Version Revision Date: SDS Number: Date of last issue: 07/26/2024 0.0 07/30/2024 S172639772 Date of first issue: 08/03/2015

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.

Remove and wash contaminated clothing before re-use.

Wear as appropriate:

Dust impervious protective suit

Protective measures : The use of technical measures should always have priority

over the use of personal protective equipment.

When selecting personal protective equipment, seek

appropriate professional advice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid

Color : gray

Odor : No data available

Odor Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling

range

No data available

Flash point : 203 °F / 95 °C

Method: Pensky-Martens closed cup, Non-equilibrium method

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower

flammability limit

No data available

Vapor pressure : No data available

Relative vapor density : No data available

Density : 0.56 g/cm3

Bulk density

Solubility(ies)

35.5 g/cm3

Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n- : No data available

according to the OSHA Hazard Communication Standard



SUBDUE GR

Version **Revision Date:** SDS Number: Date of last issue: 07/26/2024 S172639772 Date of first issue: 08/03/2015 0.0 07/30/2024

octanol/water

500 °F / 260 °C Autoignition temperature

Decomposition temperature No data available

Viscosity

Viscosity, kinematic No data available

Explosive properties Not explosive

Oxidizing properties The substance or mixture is not classified as oxidizing.

Particle characteristics

No data available Particle size

SECTION 10. STABILITY AND REACTIVITY

Reactivity None reasonably foreseeable. Stable under normal conditions. Chemical stability No dangerous reaction known under conditions of normal use.

Possibility of hazardous reac-

Conditions to avoid No decomposition if used as directed.

Incompatible materials None known.

Hazardous decomposition

products

No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion Inhalation Skin contact Eye contact

Acute toxicity

Fatal if inhaled.

Product:

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

Acute inhalation toxicity LC50 (Rat, male): 0.483 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance/mixture is not toxic on inhalation

as defined by dangerous goods regulations.

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

Assessment: The substance or mixture has no acute dermal

toxicity

according to the OSHA Hazard Communication Standard



SUBDUE GR

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/26/2024

 0.0
 07/30/2024
 S172639772
 Date of first issue: 08/03/2015

Components:

1-methyl-2-pyrrolidone:

Acute oral toxicity : LD50 (Rat): 4,150 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.1 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Acute dermal toxicity : LD50 (Rabbit): 8,000 mg/kg

metalaxyl-M:

Acute oral toxicity : LD50 (Rat, female): 375 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 2.29 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Remarks: Highest attainable concentration

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

Assessment: The substance or mixture has no acute dermal

toxicity

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Product:

Species : Rabbit

Result : No skin irritation

Components:

1-methyl-2-pyrrolidone:

Species : Rabbit

Result : Irritating to skin.

metalaxyl-M:

Species : Rabbit

Result : No skin irritation

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Product:

Species : Rabbit

Result : No eye irritation

according to the OSHA Hazard Communication Standard



SUBDUE GR

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/26/2024

 0.0
 07/30/2024
 S172639772
 Date of first issue: 08/03/2015

Components:

1-methyl-2-pyrrolidone:

Species : Rabbit

Result : Irritation to eyes, reversing within 21 days

metalaxyl-M:

Species : Rabbit

Result : Risk of serious damage to eyes.

Respiratory or skin sensitization

Skin sensitization

Based on available data, the classification criteria are not met.

Respiratory sensitization

Not classified due to lack of data.

Product:

Species : Guinea pig

Result : Does not cause skin sensitization.

Components:

1-methyl-2-pyrrolidone:

Test Type : Local lymph node assay (LLNA)

Species : Mouse

Result : Not a skin sensitizer.

metalaxyl-M:

Species : Guinea pig

Result : Does not cause skin sensitization.

Germ cell mutagenicity

Not classified due to lack of data.

Components:

1-methyl-2-pyrrolidone:

Germ cell mutagenicity - : Animal testing did not show any mutagenic effects.

Assessment

metalaxyl-M:

Germ cell mutagenicity - : Animal testing did not show any mutagenic effects.

Assessment

Carcinogenicity

Not classified due to lack of data.

Components:

dioxosilane:

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

according to the OSHA Hazard Communication Standard



SUBDUE GR

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/26/2024

 0.0
 07/30/2024
 S172639772
 Date of first issue: 08/03/2015

ment cinogen

IARC has concluded that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources and in experimental animals from quartz and cristobalite (Group 1). It was noted however, that carcinogenicity was not detected in all industrial circumstances and may be dependent on inherent characteristics of the crystalline silica or external factors

affecting its biological activity.

1-methyl-2-pyrrolidone:

Carcinogenicity - Assess-

ment

No evidence of carcinogenicity in animal studies.

metalaxyl-M:

Carcinogenicity - Assess-

ment

No evidence of carcinogenicity in animal studies.

Reproductive toxicity

May damage the unborn child.

Components:

1-methyl-2-pyrrolidone:

Reproductive toxicity - As-

sessment

Clear evidence of adverse effects on development, based on

animal experiments.

metalaxyl-M:

Reproductive toxicity - As-

sessment

No toxicity to reproduction

STOT-single exposure

May cause respiratory irritation.

Components:

fuller's earth:

Target Organs : Respiratory Tract

Assessment : May cause respiratory irritation.

1-methyl-2-pyrrolidone:

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

toxicant, single exposure, category 3 with respiratory tract

irritation.

STOT-repeated exposure

Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

Components:

dioxosilane:

Routes of exposure : Inhalation Target Organs : Lungs

according to the OSHA Hazard Communication Standard



SUBDUE GR

Version Revision Date: SDS Number: Date of last issue: 07/26/2024 S172639772 Date of first issue: 08/03/2015 0.0 07/30/2024

The substance or mixture is classified as specific target organ Assessment

toxicant, repeated exposure, category 1.

1-methyl-2-pyrrolidone:

Assessment The substance or mixture is not classified as specific target

organ toxicant, repeated exposure.

Remarks Not classified due to data which are conclusive although insuf-

ficient for classification.

metalaxyl-M:

Assessment The substance or mixture is not classified as specific target

organ toxicant, single exposure.

Aspiration toxicity

Not classified due to lack of data.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

1-methyl-2-pyrrolidone:

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): > 500 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 24 h

Toxicity to algae/aquatic

plants

EC50 (Desmodesmus subspicatus (green algae)): > 500 mg/l

Exposure time: 72 h

Toxicity to daphnia and other :

aquatic invertebrates (Chronic toxicity)

NOEC (Daphnia magna (Water flea)): 12.5 mg/l

Exposure time: 21 d

metalaxyl-M:

LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Toxicity to fish

Exposure time: 96 h

LC50 (Cyprinus carpio (Carp)): > 100 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

ErC50 (Raphidocelis subcapitata (freshwater green alga)): 271 mg/l

Exposure time: 96 h

NOEC (Raphidocelis subcapitata (freshwater green alga)):

19.7 mg/l

End point: Growth rate

according to the OSHA Hazard Communication Standard



SUBDUE GR

Version **Revision Date:** SDS Number: Date of last issue: 07/26/2024 S172639772 Date of first issue: 08/03/2015 0.0 07/30/2024

Exposure time: 96 h

Toxicity to fish (Chronic tox-

icity)

NOEC (Oncorhynchus mykiss (rainbow trout)): 50 mg/l

Exposure time: 28 d

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

NOEC (Daphnia magna (Water flea)): 25 mg/l

Exposure time: 21 d

ic toxicity) Toxicity to microorganisms

EC50 (activated sludge): > 100 mg/l

Exposure time: 3 h

Persistence and degradability

Components:

1-methyl-2-pyrrolidone:

Biodegradability Result: Readily biodegradable.

metalaxyl-M:

Biodegradability Result: Not readily biodegradable.

Stability in water Degradation half life: 22.4 - 47.5 d

Remarks: Product is not persistent.

Bioaccumulative potential

Components:

1-methyl-2-pyrrolidone:

Partition coefficient: n-

octanol/water

log Pow: -0.46 (77 °F / 25 °C)

metalaxyl-M:

Bioaccumulation Remarks: Low bioaccumulation potential.

Partition coefficient: n-

octanol/water

log Pow: 1.71 (77 °F / 25 °C)

Mobility in soil

Components:

metalaxyl-M:

Distribution among environ-

mental compartments

Remarks: Metalaxyl has a range from low to very high mobility

in soil depending on soil type.

Stability in soil Dissipation time: < 50 d

> Percentage dissipation: 50 % (DT50) Remarks: Product is not persistent.

Other adverse effects

Components:

1-methyl-2-pyrrolidone:

according to the OSHA Hazard Communication Standard



SUBDUE GR

Version Revision Date: SDS Number: Date of last issue: 07/26/2024 0.0 07/30/2024 S172639772 Date of first issue: 08/03/2015

Results of PBT and vPvB

assessment

: Substance is not persistent, bioaccumulative, and toxic (PBT).

Substance is not very persistent and very bioaccumulative

(vPvB).

metalaxyl-M:

Results of PBT and vPvB

assessment

Substance is not persistent, bioaccumulative, and toxic (PBT).

Substance is not very persistent and very bioaccumulative

(vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

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

chemical or used container.

Do not dispose of waste into sewer.

Where possible recycling is preferred to disposal or

incineration.

If recycling is not practicable, dispose of in compliance with

local regulations.

This product will not be classified as a RCRA characteristic

hazardous waste when discarded.

Contaminated packaging : Empty remaining contents.

Triple rinse containers.

Empty containers should be taken to an approved waste

handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regu-

lations.

according to the OSHA Hazard Communication Standard



SUBDUE GR

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/26/2024

 0.0
 07/30/2024
 S172639772
 Date of first issue: 08/03/2015

SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: Caution

Causes moderate eye irritation.

Harmful if inhaled.

Harmful if absorbed through skin.

Avoid contact with skin, eyes or clothing.

Avoid breathing dust.

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 : Acute toxicity (any route of exposure)

Reproductive toxicity

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:

1-methyl-2- 872-50-4 >= 1 - < 5 %

pyrrolidone

SECTION 16. OTHER INFORMATION

Further information

according to the OSHA Hazard Communication Standard

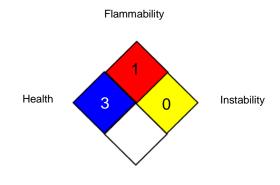


SUBDUE GR

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/26/2024

 0.0
 07/30/2024
 S172639772
 Date of first issue: 08/03/2015

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

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

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

its for Air Contaminants

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

eral Dusts

Syngenta : Syngenta Occupational Exposure Limits

US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)

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

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

US WEEL / TWA : 8-hr TWA

US WEEL / TWA . 6-III TWA
US WEEL / STEL : Short-Term 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 Chemical Chemical Substances in China; IMDG - International Chemical Chemic

according to the OSHA Hazard Communication Standard



SUBDUE GR

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/26/2024

 0.0
 07/30/2024
 S172639772
 Date of first issue: 08/03/2015

cals 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

Revision Date : 07/30/2024

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / Z8