

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

SECTION 1. IDENTIFICATION

Product name : RAVE
Design code : A11815B

Product Registration number : 100-927

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 : Herbicide

Restrictions on use : General Use Pesticide

SECTION 2. HAZARDS IDENTIFICATION

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

Hazards for the product as supplied

Combustible dust

Other hazards

May form combustible dust concentrations in air.

GHS label elements

Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS No./Unique ID	Concentration (% w/w)	Trade secret

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

sodium 3,6-dichloro-o-anisate	1982-69-0*	54.9753	-
diatomite	61790-53-2*	$\geq 10 - \leq 30$	TSC
triasulfuron (ISO)	82097-50-5*	8.8	-
dioxosilane	14808-60-7*	$\geq 0.1 - \leq 1$	TSC

* Indicates that the identifier is a CAS No.

TSC- the actual concentration or concentration range 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 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. |
| 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 prod- |

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

ucts of combustion (see section 10).
Exposure to decomposition products may be a hazard to health.

Hazardous combustion products : Carbon oxides
Nitrogen oxides (NOx)
Chlorine compounds
Sulfur oxides

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 emergency procedures : Refer to protective measures listed in sections 7 and 8.
Avoid dust formation.

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 : This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion.
Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material.
Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents.

This material can become readily charged in most operations.

Avoid contact with skin and eyes.
When using do not eat, drink or smoke.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

Conditions for safe storage : For personal protection see section 8.
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
diatomite	61790-53-2	TWA	6 mg/m ³	OSHA P0
		TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m ³ / %SiO ₂ (Silica)	OSHA Z-3
		TWA	6 mg/m ³ (Silica)	NIOSH REL
triasulfuron (ISO)	82097-50-5	TWA	3 mg/m ³	Syngenta
dioxosilane	14808-60-7	TWA (respirable)	10 mg/m ³ / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO ₂ +5	OSHA Z-3
		TWA (Respirable particulate matter)	0.025 mg/m ³ (Silica)	ACGIH
		TWA (Respirable dust)	0.05 mg/m ³ (Silica)	NIOSH REL
		TWA (Respirable dust)	0.05 mg/m ³	OSHA Z-1

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.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version 1.2	Revision Date: 07/22/2026	SDS Number: S118075464	Date of last issue: 10/23/2018 Date of first issue: 10/23/2018
----------------	------------------------------	---------------------------	---

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks : No special protective equipment required.
Eye protection : No special protective equipment required.
Skin and body protection : No special protective equipment required.
Select skin and body protection based on the physical job requirements.

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 : granules

Color : beige to brown

Odor : Phenolic

Odor Threshold : No data available

pH : 5.9
Concentration: 1 %w/v

Melting point/freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : May form combustible dust concentrations in air.

Burning number : 2 (68 °F / 20 °C)
2 (212 °F / 100 °C)

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	No data available
Bulk density	:	0.500 - 0.700 g/cm3
Solubility(ies)	:	
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Minimum ignition temperature	:	500 °C
Viscosity	:	
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Surface tension	:	70.4 mN/m, 3.000 g/l, 68 °F / 20 °C
Minimum ignition energy	:	> 1,000 mJ
Particle characteristics	:	
Particle size	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	None reasonably foreseeable.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	No decomposition if used as directed.
Incompatible materials	:	None known.
Hazardous decomposition products	:	No hazardous decomposition products are known.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion
Inhalation
Skin contact
Eye contact

Acute toxicity

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

Product:

Acute oral toxicity	: LD50 (Rat, male and female): 4,541 mg/kg Remarks: Based on data from similar materials
Acute inhalation toxicity	: LC50 (Rat, male and female): > 2.75 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Based on data from similar materials
Acute dermal toxicity	: LD50 (Rat, male and female): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials

Components:

sodium 3,6-dichloro-o-anisate:

Acute oral toxicity	: LD50 (Rat, male and female): 4,600 mg/kg
Acute inhalation toxicity	: LC50 (Rat, male): 4.46 mg/l Exposure time: 4 h Test atmosphere: dust/mist Remarks: Based on data from similar materials
Acute dermal toxicity	: LD50 (Rat, male and female): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials

triasulfuron (ISO):

Acute oral toxicity	: LD50 (Rat, male and female): > 5,000 mg/kg
Acute inhalation toxicity	: LC50 (Rat, male and female): > 5,185 mg/m3 Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rat, male and female): > 2,000 mg/kg

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

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
Remarks	:	Based on data from similar materials

Components:

sodium 3,6-dichloro-o-anisate:

Species	:	Rabbit
Result	:	No skin irritation
Remarks	:	Based on data from similar materials

triasulfuron (ISO):

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
Remarks	:	Based on data from similar materials

Components:

sodium 3,6-dichloro-o-anisate:

Species	:	Rabbit
Result	:	Eye irritation

triasulfuron (ISO):

Species	:	Rabbit
Result	:	No eye irritation

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:

Test Type	:	Buehler Test
-----------	---	--------------

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

Species	:	Guinea pig
Result	:	Does not cause skin sensitization.
Remarks	:	Based on data from similar materials

Components:

sodium 3,6-dichloro-o-anisate:

Species	:	Guinea pig
Result	:	Does not cause skin sensitization.

triasulfuron (ISO):

Species	:	Guinea pig
Result	:	Does not cause skin sensitization.

Germ cell mutagenicity

Not classified due to lack of data.

Components:

sodium 3,6-dichloro-o-anisate:

Germ cell mutagenicity - Assessment	:	Animal testing did not show any mutagenic effects. Remarks: Information given is based on data obtained from similar substances.
-------------------------------------	---	---

triasulfuron (ISO):

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

Carcinogenicity

Not classified due to lack of data.

Components:

sodium 3,6-dichloro-o-anisate:

Carcinogenicity - Assessment	:	No evidence of carcinogenicity in animal studies. Remarks: Information given is based on data obtained from similar substances.
------------------------------	---	--

triasulfuron (ISO):

Carcinogenicity - Assessment	:	No evidence of carcinogenicity in animal studies.
------------------------------	---	---

dioxosilane:

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

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 inher-

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

ent characteristics of the crystalline silica or external factors affecting its biological activity.

IARC	Group 1: Carcinogenic to humans dioxosilane (Silica dust, crystalline)	14808-60-7
-------------	--	------------

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP	Known to be human carcinogen dioxosilane (Silica, Crystalline (Respirable Size))	14808-60-7
------------	--	------------

Reproductive toxicity

Not classified due to lack of data.

Components:

sodium 3,6-dichloro-o-anisate:

Reproductive toxicity - Assessment	: No toxicity to reproduction
Remarks	: Information given is based on data obtained from similar substances.

triasulfuron (ISO):

Reproductive toxicity - Assessment	: No toxicity to reproduction
------------------------------------	-------------------------------

STOT-single exposure

Not classified due to lack of data.

STOT-repeated exposure

Not classified due to lack of data.

Components:

sodium 3,6-dichloro-o-anisate:

Assessment	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Remarks	: Information given is based on data obtained from similar substances.

triasulfuron (ISO):

Assessment	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
------------	--

dioxosilane:

Routes of exposure	: Inhalation
Target Organs	: Lungs
Assessment	: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

Aspiration toxicity

Not classified due to lack of data.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

sodium 3,6-dichloro-o-anisate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Remarks: Information given is based on data obtained from similar substances.

Toxicity to algae/aquatic plants : EC50 (Skeletonema costatum (marine diatom)): 0.58 mg/l
Exposure time: 120 h
Remarks: Information given is based on data obtained from similar substances.

NOEC (Skeletonema costatum (marine diatom)): 0.011 mg/l
Exposure time: 120 h
Remarks: Information given is based on data obtained from similar substances.

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

triasulfuron (ISO):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus (Water flea)): > 100 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): 0.57 mg/l
Exposure time: 96 h

EC10 (Raphidocelis subcapitata (freshwater green alga)): 0.079 mg/l
End point: Growth rate
Exposure time: 96 h

ErC50 (Lemna gibba (gibbous duckweed)): 0.00028 mg/l
End point: Frond growth
Exposure time: 7 d

NOEC (Lemna gibba (gibbous duckweed)): 0.00008 mg/l
End point: Frond growth
Exposure time: 7 d

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): > 36.6 mg/l
Exposure time: 32 d

NOEC (Cyprinodon variegatus (sheepshead minnow)): 10 mg/l
Exposure time: 34 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 10 mg/l
Exposure time: 21 d

Toxicity to microorganisms : IC50 (activated sludge): > 100 mg/l
Exposure time: 3 h

Persistence and degradability

Components:

sodium 3,6-dichloro-o-anisate:

Biodegradability : Result: Not readily biodegradable.
Remarks: Information given is based on data obtained from similar substances.

Stability in water : Degradation half life: 35 - 46 d
Remarks: Product is not persistent.
Based on data from similar materials

diatomite:

Biodegradability : Result: Not readily biodegradable.

triasulfuron (ISO):

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: ca. 210 d
Remarks: Persistent in water.

Bioaccumulative potential

Components:

sodium 3,6-dichloro-o-anisate:

Bioaccumulation : Remarks: Low bioaccumulation potential.
Based on data from similar materials

triasulfuron (ISO):

Bioaccumulation : Remarks: Low bioaccumulation potential.

Partition coefficient: n-octanol/water : log Pow: -0.59 (77 °F / 25 °C)

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

Mobility in soil

Components:

sodium 3,6-dichloro-o-anisate:

Distribution among environmental compartments : Remarks: Very highly mobile in soil.
Based on data from similar materials

Stability in soil : Dissipation time: 1.4 - 11 d
Percentage dissipation: 50 %
Remarks: Product is not persistent.
Based on data from similar materials

triasulfuron (ISO):

Distribution among environmental compartments : Remarks: Very highly mobile in soil.

Stability in soil : Dissipation time: 3 - 83 d
Percentage dissipation: 50 % (DT50)
Remarks: Product is not persistent.

Other adverse effects

Components:

sodium 3,6-dichloro-o-anisate:

Results of PBT and vPvB assessment : Not persistent, bioaccumulative, and toxic (PBT).

diatomite:

Results of PBT and vPvB assessment : Not persistent, bioaccumulative, and toxic (PBT).

triasulfuron (ISO):

Results of PBT and vPvB assessment : Not persistent, bioaccumulative, and toxic (PBT).

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 be a RCRA characteristic hazardous waste when discarded. Please see section 15 for applicable CERCLA reportable quantities

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.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(TRIASULFURON, SODIUM DICAMBA)
Class : 9
Packing group : III
Labels : 9
Environmentally hazardous : yes
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

IATA-DGR

UN/ID No. : UN 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
(TRIASULFURON, SODIUM DICAMBA)
Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 956
Packing instruction (passenger aircraft) : 956
Environmentally hazardous : yes
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

IMDG-Code

UN number : UN 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(TRIASULFURON, SODIUM DICAMBA)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Domestic regulation

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

49 CFR

Not regulated as a dangerous good

Remarks : Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

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

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 swallowed.

Harmful if absorbed through skin.

Avoid contact with skin, eyes or clothing.

Avoid breathing spray mist.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove and wash contaminated clothing before re-use.

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
chlorobenzene	108-90-7	100	100 (D021)

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 : Combustible dust

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

sodium 3,6-dichloro-o-anisate	1982-69-0	>= 50 - < 70 %
-------------------------------	-----------	----------------

California Prop. 65

WARNING: This product can expose you to chemicals including dioxosilane, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

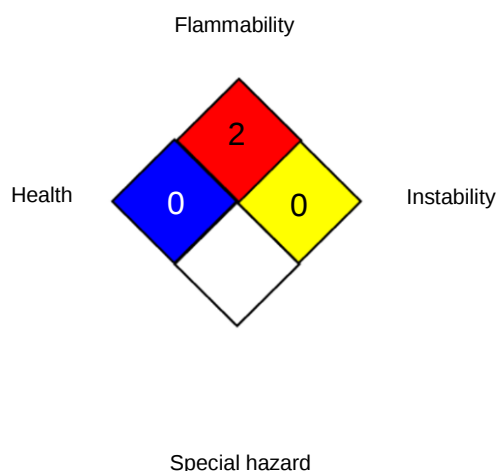
California Regulated Carcinogens
dioxosilane

14808-60-7

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	1
FLAMMABILITY		2
PHYSICAL HAZARD		0

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)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
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
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
Syngenta	:	Syngenta Occupational Exposure Limits
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 P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-3 / TWA	:	8-hour time weighted average
Syngenta / TWA	:	Time weighted average

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 Standardization; 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 asso-

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



RAVE

Version	Revision Date:	SDS Number:	Date of last issue: 10/23/2018
1.2	07/22/2026	S118075464	Date of first issue: 10/23/2018

ciated 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 Organization 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, Authorization 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; TECL - 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 : 07/22/2026

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 / EN