

# SAFETY DATA SHEET

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### 1. IDENTIFICATION

**Product identifier** 

Product Name Nitrification Inhibitor Formula 2533

Other means of identification

Product Code(s) 253334

Safety data sheet number M00566

Recommended use of the chemical and restrictions on use

Recommended Use Nitrification inhibitor.

Uses advised against None. Restrictions on use None.

Details of the supplier of the safety data sheet

**Manufacturer Address** 

Hach Company P.O.Box 389 Loveland, CO 80539 USA (970) 669-3050

Emergency telephone number

(303) 623-5716 - 24 Hour Service (515)232-2533 - 8am - 4pm CST

### 2. HAZARDS IDENTIFICATION

#### Classification

#### **Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Aquatic Acute Toxicity Category 3

### Hazards not otherwise classified (HNOC)

Not applicable

#### Label elements

### **Hazard statements**

H402 - Harmful to aquatic life

EUH210 - Safety data sheet available on request

The product contains no substances which at their given concentration, are considered to be hazardous to health

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste disposal plant

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#### Other Information

Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance** 

Not applicable

**Mixture** 

Chemical Family Mixture.

Percent ranges are used where confidential product information is applicable.

Chemical Name	CAS No	Percent Range	HMRIC #
Sodium sulfate	7757-82-6	90 - 100%	-
Nitrapyrin	1929-82-4	1 - 5%	-

# 4. FIRST AID MEASURES

#### Description of first aid measures

General advice In case of accident or unwellness, seek medical advice immediately (show directions for

use or safety data sheet if possible).

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. If symptoms persist, call a physician.

Skin contact IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin

with water/shower. If symptoms persist, call a physician.

**Inhalation** IF INHALED: Remove person to fresh air and keep comfortable for breathing. If symptoms

persist, call a physician.

**Ingestion** IF SWALLOWED: Rinse Mouth. If symptoms persist, call a physician.

Self-protection of the first aider

Use personal protective equipment as required. Ensure that medical personnel are aware

of the material(s) involved and take precautions to protect themselves.

Most important symptoms and effects, both acute and delayed

**Symptoms** See Section 11: TOXICOLOGICAL INFORMATION.

Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

#### Flammable properties

During a fire, this product decomposes to form toxic gases.

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Sodium monoxide. Sulfur oxides. Carbon monoxide, Carbon

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Specific hazards arising from the chemical

**Hazardous combustion products** 

May react violently with. Strong acids. Strong bases. Aluminum / Aluminum compounds.

dioxide. Nitrogen oxides. Chlorides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

**U.S. Notice**Only persons properly qualified to respond to an emergency involving hazardous

substances may respond to a spill according to federal regulations (OSHA 29 CFR

1910.120(a)(v)) and per your company's emergency response plan and

guidelines/procedures. See Section 13, Special Instructions for disposal assistance. Outside of the US, only persons properly qualified according to state or local regulations

should respond to a spill involving chemicals.

EC Notice Only persons properly qualified to respond to an emergency involving hazardous

substances should respond to a spill involving chemicals. See Section 13, Special

Instructions for disposal assistance.

WHMIS Notice Only persons properly qualified to respond to an emergency involving hazardous

substances should respond to a spill involving chemicals. See Section 13, Special

Instructions for disposal assistance.

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Do not touch or walk through spilled material. Ventilate

affected area. Use personal protective equipment as required.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions** 

**Environmental precautions** Avoid release to the environment. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Cover with plastic sheet to prevent

spreading.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal. Clean contaminated

surface thoroughly. Dispose of in accordance with local, state and federal regulations or

laws.

Emergency Response Guide Number Not applicable

7. HANDLING AND STORAGE

Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly

labeled containers.

Flammability class Not applicable

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Nitrapyrin	STEL: 20 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> total dust
1 - 5%	TWA: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m³ respirable
		(vacated) TWA: 15 mg/m <sup>3</sup>	dust
		(vacated) TWA: 5 mg/m <sup>3</sup>	STEL: 20 mg/m³ total dust

Chemical Name	Alberta OEL	British Columbia	Manitoba OEL	New Brunswick	New Foundland &
		OEL		OEL	Labrador OEL
Nitrapyrin	TWA: 10 mg/m <sup>3</sup>				
1 - 5%	STEL: 20 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup>
		STEL: 20 mg/m <sup>3</sup>			

Chemical Name	Northwest	Nova Scotia OEL	Nunavut OEL	Ontario TWA	Prince Edward
	Territories OEL				Island OEL
Nitrapyrin	TWA: 10 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup>
1 - 5%	STEL: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>

Chemical Name	Quebec OEL	Saskatchewan OEL	Yukon OEL
Nitrapyrin	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup>
1 - 5%	STEL: 20 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

**Legend** See section 16 for terms and abbreviations

**Appropriate engineering controls** 

Engineering Controls Showers

Eyewash stations Ventilation systems

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. Regular cleaning of equipment, work area

and clothing is recommended.

**Environmental exposure controls** 

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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Physical state Solid

Gas Under Pressure Not classified according to GHS criteria

Appearance crystalline Color white

Odor sweet Odor threshold No data available

Property Values Remarks • Method

Molecular weight No data available

**pH** No data available

Melting point/freezing point No data available

Boiling point / boiling range No data available

Evaporation rateNot applicableVapor pressureNot applicable

Vapor density (air = 1) Not applicable

Specific gravity (water = 1 / air = 1) 1.3858

Partition Coefficient (n-octanol/water) No data available

**Soil Organic Carbon-Water Partition** 

Coefficient

No data available

Autoignition temperature No data available

Decomposition temperature No data available

Dynamic viscosity Not applicable

Kinematic viscosity

Not applicable

### Solubility(ies)

### Water solubility

Water solubility classification	Water solubility	Water Solubility Temperature	
Soluble	> 1000 mg/L	25 °C / 77 °F	

# Solubility in other solvents

<u>Chemical Name</u>	Solubility classification	Solubility	Solubility Temperature
Acid	Soluble	> 1000 mg/L	25 °C / 77 °F

#### Other Information

Metal Corrosivity

Not classified as corrosive to metal according to GHS criteria

Steel Corrosion Rate

Aluminum Corrosion Rate

Not applicable

Volatile Organic Compounds (VOC) Content

Not applicable.

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Bulk density

No data available

Explosive properties Not classified according to GHS criteria.

**Explosion data**Does not burn, but may melt in a fire, releasing toxic fumes.

Upper explosion limit No data available

Lower explosion limit No data available

Flammable properties During a fire, this product decomposes to form toxic gases.

Flammability Limit in Air

Upper flammability limit: No data available

Lower flammability limit: No data available

Flash point Not applicable

Method No information available

Oxidizing properties Not classified according to GHS criteria.

Reactivity propeties Not classified as self-reactive, pyrophoric, self-heating or emitting

flammable gases in contact with water according to GHS criteria.

### 10. STABILITY AND REACTIVITY

### **Reactivity propeties**

Not classified as self-reactive, pyrophoric, self-heating or emitting flammable gases in contact with water according to GHS criteria

#### **Chemical stability**

Stable under recommended storage conditions.

#### Special dangers of the product

None reported

#### **Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

#### **Conditions to avoid**

Heat. Excess moisture.

### **Incompatible materials**

Powdered metals. Oxidizers.

#### **Hazardous Decomposition Products**

Sodium monoxide. Sulfur oxides. Chlorides. Carbon dioxide. Carbon monoxide.

### **Explosive properties**

Not classified according to GHS criteria. Does not burn, but may melt in a fire, releasing toxic fumes.

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Upper explosion limit No data available

Lower explosion limit No data available

**Autoignition temperature** 

No data available

Sensitivity to Static Discharge

None reported

**Sensitivity to Mechanical Impact** 

None reported

# 11. TOXICOLOGICAL INFORMATION

NIOSH (RTECS) Number None reported

Information on Likely Routes of Exposure

Product Information	Product does not present an acute toxicity hazard based on		
	known or supplied information.		
Inhalation No known effect based on information supplied.			
Eye contact	No known effect based on information supplied.		
Skin contact	No known effect based on information supplied.		
Ingestion	No known effect based on information supplied.		
Aggravated Medical Conditions	None known.		
Toxicologically synergistic products	None known.		
Toxicokinetics, metabolism and distribution	No information available.		

**Product Acute Toxicity Data** 

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	40,693.00
ATEmix (dermal)	36,797.00

# **Ingredient Acute Toxicity Data**

**Oral Exposure Route** 

orar Expodure Route					
Chemical Name	Endpoint	Reported	Exposure	Toxicological effects	Key literature references and
	type	dose	time		sources for data
Sodium sulfate	Mouse	5989 mg/kg	None	None reported	IUCLID (The International
(90 - 100%)	LD50		reported	•	Uniform Chemical Information
CAS#: 7757-82-6					Database)

**Dermal Exposure Route** 

Chemical Name	Endpoint	Reported	Exposure	Toxicological effects	Key	literature references and
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	type	dose	time		sources for data
Nitrapyrin (1 - 5%) CAS#: 1929-82-4	Rabbit LD <sub>50</sub>	850 mg/kg	None reported	None reported	GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance)

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

### **Product Skin Corrosion/Irritation Data**

No data available.

### **Ingredient Skin Corrosion/Irritation Data**

Toxicological data for ingredients is not indicative of likely harm.

Chemical Name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Sodium sulfate (90 - 100%) CAS#: 7757-82-6	Standard Draize Test	Rabbit	500 mg	4 hours	Not corrosive or irritating to skin	ECHA (The European Chemicals Agency)
Chemical Name	T		6		- L	
Chemical Name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data

### **Product Serious Eye Damage/Eye Irritation Data**

No data available.

# Ingredient Eye Damage/Eye Irritation Data

Toxicological data for ingredients is not indicative of likely harm.

Chemical Name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Sodium sulfate (90 - 100%) CAS#: 7757-82-6	Standard Draize Test	Rabbit	90 mg	24 hours	Not corrosive or irritating to eyes	ECHA (The European Chemicals Agency)

### **Sensitization Information**

**Product Sensitization Data** 

Skin Sensitization Exposure Route No data available.

Respiratory Sensitization Exposure Route No data available.

**Ingredient Sensitization Data** 

Skin Sensitization Exposure Route Toxicological data for ingredients is not indicative of likely harm.

Chemical Name	Test method	Species	Results	Key literature references and sources for data
Sodium sulfate (90 - 100%)	OECD Test No. 406: Skin	Guinea pig	Not confirmed to be a skin sensitizer	HSDB (Hazardous Substances Data Bank)

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CAS#: 7757-82-6	Sensitization			
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Respiratory Sensitization Exposure Route

No data available.

**Chronic Toxicity Information** 

**Product Repeat Dose Toxicity Data** 

Oral Exposure Route

No data available.

Permal Exposure Route

No data available.

Inhalation (Dust/Mist) Exposure Route

No data available.

Inhalation (Dust/Mist) Exposure Route No data available.

Inhalation (Vapor) Exposure Route No data available.

Inhalation (Gas) Exposure Route No data available.

**Ingredient Repeat Dose Toxicity Data** 

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route Toxicological data for ingredients is not indicative of likely harm.

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Chemical Name	CAS No	ACGIH	IARC	NTP	OSHA
Sodium sulfate	7757-82-6	•	-	-	•
Nitrapyrin	1929-82-4	-	-	-	-

#### Legend

ACGIH (American Conference of Governmental Industrial Hygienists)	Does not apply
IARC (International Agency for Research on Cancer)	Does not apply
NTP (National Toxicology Program)	Does not apply
OSHA (Occupational Safety and Health Administration of the US Department of	Does not apply
Labor)	

Product Carcinogenicity Data

No data available

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

**Ingredient Carcinogenicity Data** 

Oral Exposure Route No data available

Dermal Exposure Route No data available

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Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Product Germ Cell Mutagenicity invitro Data

No data available.

Ingredient Germ Cell Mutagenicity invitro Data No data available

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Ingredient Germ Cell MutagenicityinvivoData

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

**Ingredient Reproductive Toxicity Data** 

Oral Exposure Route Toxicological data for ingredients is not indicative of likely harm.

Chemical Name	Endpoint	Reported	Exposure	Toxicological effects	Key literature references and
	type	dose	time		sources for data
Sodium sulfate	Mouse	14000 mg/kg	4 days	Effects on Newborn	RTECS (Registry of Toxic
(90 - 100%)	TDLo			Other neonatal measures or	Effects of Chemical
CAS#: 7757-82-6				effects	Substances)
Nitrapyrin	Rabbit	390 mg/kg	12 days	Specific Developmental	ECHA (The European
(1 - 5%)	TDLo		-	Abnormalities	Chemicals Agency)
CAS#: 1929-82-4				Craniofacial (including nose and	
				tongue)	

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

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Inhalation (Vapor) Exposure RouteNo data availableInhalation (Gas) Exposure RouteNo data available

# 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

**Product Ecological Data** 

**Aquatic toxicity** 

Fish No data available

Crustacea No data available

Algae No data available

**Terrestrial toxicity** 

Soil No data available

Vertebrates No data available

Invertebrates No data available

**Ingredient Ecological Data** 

**Aquatic toxicity** 

Fish

LISH					
Chemical Name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Sodium sulfate (90 - 100%) CAS#: 7757-82-6	96 hours	None reported	LC <sub>50</sub>	56 mg/L	IUCLID (The International Uniform Chemical Information Database)
Nitrapyrin (1 - 5%) CAS#: 1929-82-4	96 hours	Oncorhynchus mykiss	LC <sub>50</sub>	1.7 mg/L	GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance)
Chemical Name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Sodium sulfate (90 - 100%) CAS#: 7757-82-6	96 hours	Pimephales promelas	LC <sub>50</sub>	7960 mg/L	IUCLID (The International Uniform Chemical Information Database)
Nitrapyrin (1 - 5%) CAS#: 1929-82-4	96 hours	Lepomis macrochirus	LC <sub>50</sub>	3.4 mg/L	Vendor SDS

### Crustacea

Chemical Name	Exposure	Species	Endpoint	Reported	Key literature references and
	time		type	dose	sources for data
Sodium sulfate	48 Hours	Daphnia magna	EC <sub>50</sub>	3150 mg/L	IUCLID (The International
(90 - 100%)					Uniform Chemical Information
CAS#: 7757-82-6					Database)
Nitrapyrin	48 Hours	Daphnia magna	EC <sub>50</sub>	4 mg/L	GESTIS (Information System on
(1 - 5%)					Hazardous Substances of the
CAS#: 1929-82-4					German Social Accident
					Insurance)
					Vendor SDS

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Algae No data available

**Terrestrial toxicity** 

Soil No data available

Vertebrates No data available

Invertebrates No data available

**Other Information** 

Persistence and degradability

None known.

**Product Biodegradability Data** 

No data available.

**Ingredient Biodegradability Data** 

No data available

**Bioaccumulation** 

None known.

Product Bioaccumulation Data

No data available.

Ingredient Bioaccumulation Data

No data available

**Additional information** 

<u>Product Information</u> No data available

Partition Coefficient (n-octanol/water)

No data available

Ingredient Information

Chemical Name	Partition Coefficient (n-octanol/water)	Method
Sodium sulfate	$log K_{ow} = -3$	No information available
(90 - 100%)		
CAS#: 7757-82-6		

**Mobility** 

Mobility in soil: Moderate to high mobility. If available, see ingredient data below.

Product Information No data available

Soil Organic Carbon-Water Partition Coefficient No data available

**Ingredient Information** 

Chemical Name	Soil Organic Carbon-Water Partition	Method
	Coefficient	
Sodium sulfate (90 - 100%)	log K₀c = -1.4	Estimation through KOCWIN v2.00 part of the Estimation Programs Interface
CAS#: 7757-82-6		(EPI) Suite™

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#### **Additional information**

### Water solubility

#### **Product Information**

Water solubility classification	Water solubility	Water Solubility Temperature
Soluble	> 1000 mg/L	25 °C / 77 °F

### Ingredient Information

Chemical Name	Water solubility classification	Water solubility	Water solubility temperature °C	Water solubility temperature °F
Sodium sulfate CAS#: 7757-82-6	Completely soluble	160000 mg/L	20 °C	68 °F
Nitrapyrin CAS#: 1929-82-4	Slightly soluble	40 mg/L	20 °C	68 °F

### Other adverse effects

Contains a substance with an endocrine-disrupting potential.

# 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes**Disposal should be in accordance with applicable regional, national, and local laws and

regulations.

Contaminated packaging

Working in a well-ventilated area. Rinse three times with an appropriate solvent. Collect rinsate and dispose of according to local, state, or federal regulations. Dispose of empty container as normal trash. In the US, rinsate from empty containers is classified as hazardous waste and should be disposed of at an E.P.A. approved facility. Rinsate from empty containers may contain sufficient product to require disposal as hazardous waste in countries other than the US. Improper disposal or reuse of this container may be dangerous and illegal. Disposal should be in accordance with applicable regional, national, and local laws and regulations.

### Special instructions for disposal

Dilute material with excess water making a weaker than 5% solution. Open cold water tap completely, slowly pour the material to the drain. Allow cold water to run for 5 minutes to completely flush the system. If permitted by regulation. Dispose of material in an E.P.A. approved hazardous waste facility.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

TDG Not regulated

<u>IATA</u> Not regulated

**IMDG** Not regulated

**Note:** No special precautions necessary.

Additional information

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There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is not in a reagent set or kit, the classification given above applies.

If the item is part of a reagent set or kit the classification would change to the following:

UN3316 Chemical Kit, Hazard Class 9, Packing Group II or III.

If the item is not regulated, the Chemical Kit classification does not apply.

### 15. REGULATORY INFORMATION

**National Inventories** 

TSCA Complies DSL/NDSL Complies

TSCA- United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL- Canadian Domestic Substances List/Non-Domestic Substances List

**International Inventories** 

**EINECS/ELINCS** Complies Complies **ENCS IECSC** Complies Complies **KECL** Complies **PICCS** TCSI Complies Complies **AICS NZIoC** Complies

EINECS/ELINCS- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS**- Japan Existing and New Chemical Substances

**IECSC-** China Inventory of Existing Chemical Substances

**KECL-** Korean Existing and Evaluated Chemical Substances

PICCS- Philippines Inventory of Chemicals and Chemical Substances

TCSI- Taiwan Chemical Substances Inventory

**AICS-** Australian Inventory of Chemical Substances

NZIoC- New Zealand Inventory of Chemicals

# US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Nitrapyrin (CAS #: 1929-82-4)	1.0

### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

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# **US State Regulations**

# **California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Nitrapyrin (CAS #: 1929-82-4)	Carcinogen
	Developmental

### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium sulfate 7757-82-6	-	X	X
Nitrapyrin 1929-82-4	X	X	X

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

# 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

#### NFPA and HMIS Classifications

NFPA	Health hazards - 0	Flammability - 0	Instability - 0	Physical and Chemical Properties -
HMIS	Health hazards - 0	Flammability - 0	Physical hazards - 0	Personal protection - X
				- See section 8 for more
				information

# Key or legend to abbreviations and acronyms used in the safety data sheet

NIOSH IDLH Immediately Dangerous to Life or Health

ACGIH (American Conference of Governmental Industrial Hygienists)

NDF no data

mutagen

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# <u>Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</u>

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
MAC	Maximum Allowable Concentration	Ceiling	Ceiling Limit Value
X	Listed	Vacated	These values have no official status. The only binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state regulations.
SKN* RSP+	Skin designation Respiratory sensitization	SKN+	Skin sensitization Hazard Designation
С	Carcinogen	R	Reproductive toxicant

**Product Name** Nitrification Inhibitor Formula 2533

Revision Date 13-Sep-2016

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Prepared By Hach Product Compliance Department

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Revision Note None

### **Disclaimer**

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

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**End of Safety Data Sheet**