

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : ADEPT®
 Other means of identification : EPA Reg. No. 400-477

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Insect growth regulator
 Restrictions on use : Agriculture, For professional users only

1.3. Details of the supplier of the safety data sheet

MacDermid Agricultural Solutions, Inc.
 c/o Arysta LifeScience North America, LLC
 15401 Weston Parkway, Suite 150
 Cary, NC 27513 - USA
 T 1-866-761-9397

1.4. Emergency telephone number

Emergency number : Exposure calls (PROPHARMA): 1-866-303-6952 or +1-651-603-3432 (international)
 Spill calls (CHEMTREC) (Contract # CCN1779): 1-800-424-9300 or +1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute Tox. 4 (Inhalation) H332
 Eye Irrit. 2B H320
 Carc. 1A H350
 STOT RE 2 H373
 Aquatic Acute 1 H400
 Aquatic Chronic 1 H410
 Comb. Dust

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

May form combustible dust concentrations in air
 H320 - Causes eye irritation
 H332 - Harmful if inhaled.
 H350 - May cause cancer.
 H373 - May cause damage to organs through prolonged or repeated exposure.
 H400 - Very toxic to aquatic life.
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US) :

P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe dust.
 P261 - Avoid breathing dust.
 P264 - Wash hands, forearms and face thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 P273 - Avoid release to the environment.
 P280 - Wear eye protection, protective gloves.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 - If exposed or concerned: Get medical advice/attention.
 P312 - Call a doctor if you feel unwell
 P314 - Get medical advice/attention if you feel unwell.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P391 - Collect spillage.
 P405 - Store locked up.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

25% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
 26.26% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
 25% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% (w/w)	GHS-US classification
N-[[[4-chlorophenyl]amino]carbonyl]-2,6-difluorobenzamide	(CAS-No.) 35367-38-5	25	Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Comb. Dust
Lignosulfonic acid, sodium salt	(CAS-No.) 8061-51-6	4.75 - 5	STOT RE 2, H373
Sulfuric acid, mono-C12-14 (even numbered)-alkyl esters, sodium salts	(CAS-No.) 85586-07-8	1.5	Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Sodium diisopropyl naphthalene sulfonate	(CAS-No.) 1322-93-6	1.11 - 1.26	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
Silicon dioxide (cristobalite)	(CAS-No.) 14808-60-7	< 0.642	Carc. 1A, H350

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
 First-aid measures after inhalation : Call a poison center or a doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing.
 First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
 First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : May cause damage to organs through prolonged or repeated exposure.
 Symptoms/effects after inhalation : May cause cancer by inhalation.
 Symptoms/effects after eye contact : Causes eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustible Dust. Burning produces irritating, toxic and noxious fumes. Dust may form explosive mixture in air.
- Reactivity : No dangerous reactions known.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin, eyes and clothing. Avoid creating or spreading dust. Do not breathe dust. Use personal protective equipment as required.

6.1.1. For non-emergency personnel

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

- Prevent entry to sewers and public waters. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

- For containment : Avoid generating dust. Contain and collect as any solid.
- Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

6.4. Reference to other sections

- Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Avoid creating or spreading dust. Do not breathe dust. Use personal protective equipment as required.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container tightly closed.
- Incompatible products : Strong bases. Strong acids. Strong oxidizers.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Storage area : Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

- No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ADEPT®	
ACGIH	Not applicable
OSHA	Not applicable
N-[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide (35367-38-5)	
ACGIH	Not applicable
OSHA	Not applicable

Lignosulfonic acid, sodium salt (8061-51-6)		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ (Inhalable particulates not otherwise specified); 3 mg/m ³ (Respirable particulates not otherwise specified)
OSHA	Not applicable	

Sodium diisopropyl naphthalene sulfonate (1322-93-6)		
ACGIH	Not applicable	
OSHA	Not applicable	

Sulfuric acid, mono-C12-14 (even numbered)-alkyl esters, sodium salts (85586-07-8)		
ACGIH	Not applicable	
OSHA	Not applicable	

Silicon dioxide (cristobalite) (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³
ACGIH	Remark (ACGIH)	(respirable dust)
OSHA	OSHA PEL (TWA) (ppm)	250 mppcf
OSHA	Remark (OSHA)	(3) See Table Z-3.

8.2. Appropriate engineering controls

- Appropriate engineering controls : Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.
- Environmental exposure controls : Prevent leakage or spillage.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear suitable gloves resistant to chemical penetration. barrier laminate. Butyl rubber. nitrile rubber gloves. neoprene gloves. Viton. (>= 14 mils)

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: white to yellow
Odour	: Faint
Odour threshold	: No data available
pH	: 7.97 ca.; concentration 10 g/l
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.

Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 18.7 lb/cu. ft.
Solubility	: Dispersible.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Dust may form flammable and explosive mixture with air.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure	: Inhalation. Skin and eye contact.
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Harmful if inhaled.

ADEPT®	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rat	> 20000 mg/kg
LC50 inhalation rat (mg/l)	> 3.52 mg/l/4h
ATE US (gases)	4500 ppmv/4h
ATE US (vapours)	11 mg/l/4h
ATE US (dust,mist)	1.5 mg/l/4h
Unknown acute toxicity (GHS US)	25% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 26.26% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 25% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Lignosulfonic acid, sodium salt (8061-51-6)	
LD50 oral rat	> 12000 mg/kg

Sodium diisopropyl naphthalene sulfonate (1322-93-6)	
ATE US (oral)	500 mg/kg bodyweight
ATE US (gases)	4500 ppmv/4h
ATE US (vapours)	11 mg/l/4h
ATE US (dust,mist)	1.5 mg/l/4h

Sulfuric acid, mono-C12-14 (even numbered)-alkyl esters, sodium salts (85586-07-8)	
LD50 oral rat	1800 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	1800 mg/kg bodyweight
ATE US (gases)	4500 ppmv/4h
ATE US (vapours)	11 mg/l/4h
ATE US (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation	: Not classified (Not irritating to skin)
Serious eye damage/irritation	: Causes eye irritation.
Respiratory or skin sensitisation	: Not classified (No sensitizing reaction was observed for guinea pigs)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.

Silicon dioxide (cristobalite) (14808-60-7)	
IARC group	1 - Carcinogenic to humans

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

Sulfuric acid, mono-C12-14 (even numbered)-alkyl esters, sodium salts (85586-07-8)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
------------------------	--

Lignosulfonic acid, sodium salt (8061-51-6)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Sulfuric acid, mono-C12-14 (even numbered)-alkyl esters, sodium salts (85586-07-8)	
NOAEL (oral, rat, 90 days)	488 mg/kg bodyweight/day

Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: May cause damage to organs through prolonged or repeated exposure.
Symptoms/effects after inhalation	: May cause cancer by inhalation.
Symptoms/effects after eye contact	: Causes eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

N-[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide (35367-38-5)	
LC50 fish 1	> 0.13 mg/l 96 h Cyprinodon sp.
EC50 Daphnia 1	0.003 mg/l 48 h
EC50 other aquatic organisms 1	0.00064 mg/l 96 h
LC50 fish 2	> 0.2 mg/l 96 h Oncorhynchus mykiss
NOEC (chronic)	0.1 mg/l Cyprinodon sp.
NOEC chronic fish	0.2 mg/l 21 d
NOEC chronic crustacea	0.00004 mg/l 21 d Daphnia magna

Lignosulfonic acid, sodium salt (8061-51-6)	
LC50 fish 1	361 ppm 96h Pimephales promelas

Sulfuric acid, mono-C12-14 (even numbered)-alkyl esters, sodium salts (85586-07-8)	
LC50 fish 1	3.6 mg/l 96 h Oncorhynchus mykiss
EC50 Daphnia 1	4.7 mg/l 48 h
NOEC chronic fish	0.508 mg/l 45 d
NOEC chronic crustacea	0.508 mg/l 21 d

12.2. Persistence and degradability

ADEPT®	
Persistence and degradability	Not established.
Lignosulfonic acid, sodium salt (8061-51-6)	
Persistence and degradability	Biodegrades slowly.
Biochemical oxygen demand (BOD)	0.021 g O ₂ /g substance (5 day/day); 0.043 g O ₂ /g (30 day/days)
Sulfuric acid, mono-C12-14 (even numbered)-alkyl esters, sodium salts (85586-07-8)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

ADEPT®	
Bioaccumulative potential	Not established.
N-[[4-(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide (35367-38-5)	
Bioaccumulative potential	Not expected to bioaccumulate.

12.4. Mobility in soil

ADEPT®	
Ecology - soil	Not established.
Sulfuric acid, mono-C12-14 (even numbered)-alkyl esters, sodium salts (85586-07-8)	
Mobility in soil	<

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
 Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflubenzuron), 9, III
 UN-No.(DOT) : UN3077
 Proper Shipping Name (DOT) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. Diflubenzuron
 Transport hazard class(es) (DOT) : 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140
 Packing group (DOT) : III - Minor Danger
 Hazard labels (DOT) : 9 - Class 9 (Miscellaneous dangerous materials)




Dangerous for the environment : Yes
 Marine pollutant : Yes




Other information : Non-bulk (<= 119 gallons / 450 Liters) Not Regulated; Bulk (> 119 gallons / 450 Liters) Regulated as stated

Transport by sea

IMDG

Transport hazard class(es) (IMDG)	: 9
	: 
Marine pollutant	: Yes
UN-No. (IMDG)	: 3077
Transport document description (IMDG)	: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflubenzuron), 9, III, MARINE POLLUTANT
Class (IMDG)	: 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	: III - substances presenting low danger
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F

Air transport

Transport hazard class(es) (IATA)	: 9
	: 
Marine pollutant	: Yes
UN-No. (IATA)	: 3077
Transport document description (IATA)	: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflubenzuron), 9, III
Class (IATA)	: 9 - Miscellaneous Dangerous Goods
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

N-[[[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide	CAS-No. 35367-38-5	25%
--	--------------------	-----

Lignosulfonic acid, sodium salt (8061-51-6)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
--------------------------	---

FIFRA Labelling

EPA Registration Number	400-477
This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use..	
FIFRA Signal Word	Caution
FIFRA Human Health Hazards	Causes moderate eye irritation. Avoid contact with eyes or clothing.
FIFRA Environmental Hazards	This pesticide is toxic to aquatic invertebrates. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift or runoff from treated areas may be hazardous to aquatic invertebrate organisms in neighboring areas. Do not contaminate water when disposing of equipment wastewater or rinsate.

15.2. International regulations

CANADA

N-[[[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide (35367-38-5)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Lignosulfonic acid, sodium salt (8061-51-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Sulfuric acid, mono-C12-14 (even numbered)-alkyl esters, sodium salts (85586-07-8)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

Silicon dioxide (cristobalite) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

15.3. US State regulations

⚠ WARNING: This product can expose you to Silicon dioxide (cristobalite), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Silicon dioxide (cristobalite)(14808-60-7)	X					

Component	State or local regulations
N-[[[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide(35367-38-5)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List
Silicon dioxide (cristobalite)(14808-60-7)	U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Revision date : 02/21/2019

Data sources : ACGIH (American Conference of Government Industrial Hygienists). Component Supplier SDSs. European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. Manufacturer Information. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. NIOSH Occupational Health Guide for chemical Substances - Vol. II, September, 1978. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information : None.

Full text of H-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 1A	Carcinogenicity, Category 1A
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
Flam. Sol. 2	Flammable solids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H228	Flammable solid.
H302	Harmful if swallowed.
H315	Causes skin irritation.

ADEPT®

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H350	May cause cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	STEL: Short Term Exposure Limits
	TSCA: Toxic Substances Control Act
	TWA: Time Weighted Average

NFPA health hazard

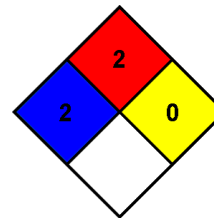
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Indication of changes:

General information.

SDS Prepared by:

The Redstone Group
6077 Frantz Rd
Suite 206
Dublin, Ohio, USA 43016
614.923.7472
www.redstonegrp.com

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product