

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : Multimin Solution for Injection for Cattle
 Other means of identification : Also marketed as Multimin 90

1.2. Recommended use and restrictions on use

Use of the substance/mixture : For veterinary use only - Injectable supplement for use in Cattle. USE ONLY IN CATTLE BY SUBCUTANEOUS INJECTION
 Restrictions on use : No additional information available

1.3. Supplier

MULTIMIN USA
 2809 East Harmony Road, SUITE #190
 Fort Collins, Colorado 80528 - United States
 T 970.372.2302 - F 970.631.8945

1.4. Emergency telephone number

Emergency number : +1.970.372.2302

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute Tox. 4 (Oral) H302 Harmful if swallowed.
 Full text of hazard classes and H-statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
 Hazard statements (GHS US) : H302 - Harmful if swallowed.
 Precautionary statements (GHS US) : P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product
 P301+P312 - If swallowed: Call a doctor if you feel unwell
 P330 - Rinse mouth.
 P501 - Dispose of contents/container to Collection point

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

2.61% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
 2.61% 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	% (v/w)	GHS-US classification
edetiac acid	(CAS-No.) 60-00-4	35 - 45	Eye Irrit. 2A, H319
sodium hydroxide	(CAS-No.) 1310-73-2	5 - 15	Skin Corr. 1A, H314
zinc oxide	(CAS-No.) 1314-13-2	5 - 9	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	% (v/w)	GHS-US classification
copper carbonate	(CAS-No.) 1184-64-1	1 - 3	Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
sodium selenite	(CAS-No.) 10102-18-8	1 - 2	Acute Tox. 2 (Oral), H300 Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Benzyl alcohol	(CAS-No.) 100-51-6	1 - 2	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332

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

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : If skin irritation occurs: Get medical advice/attention. Wash skin thoroughly with mild soap and water.
- First-aid measures after eye contact : 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. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after eye contact : May cause slight irritation.
- Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically and supportively.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

- Fire hazard : No particular fire or explosion hazard.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Move containers away from the fire area if this can be done without risk.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. Fire-resistant protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Do not breathe aerosol. Do not touch spilled material. Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

- Protective equipment : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.
- Emergency procedures : Stop leak without risks if possible. Evacuate area.

6.1.2. For emergency responders

- Protective equipment : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.
- Emergency procedures : Ventilate area. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

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Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container. Following recovery, flush area with water. Clean surface thoroughly to remove residual contamination.

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 : Avoid contact with skin and eyes. Wear proper protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.
Storage conditions : Keep container tightly closed.
Incompatible products : Acids. Caustic products.
Heat and ignition sources : Keep away from heat, sparks and flame.
Prohibitions on mixed storage : Incompatible materials.
Storage area : Store in dry, cool, well-ventilated area. Keep out of reach of children.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

copper carbonate (1184-64-1)		
ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³ Dusts and mists, as Cu
zinc oxide (1314-13-2)		
ACGIH	Local name	Zinc oxide
ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³
ACGIH	Remark (ACGIH)	Metal fume fever
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³ (dust)
NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³ (fume)
NIOSH	NIOSH REL (ceiling) (mg/m ³)	15 mg/m ³ (dust)
sodium selenite (10102-18-8)		
Not applicable		
Benzyl alcohol (100-51-6)		
Not applicable		
edetic acid (60-00-4)		
Not applicable		
sodium hydroxide (1310-73-2)		
ACGIH	Local name	Sodium hydroxide
ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
ACGIH	Remark (ACGIH)	URT, eye, & skin irr
OSHA	OSHA PEL (TWA) (mg/m ³)	2 mg/m ³
NIOSH	NIOSH REL (ceiling) (mg/m ³)	2 mg/m ³

8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid creating mist or spray. Sharps container.

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Environmental exposure controls : Prevent leakage or spillage.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Use rubber gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH. Approved respirator

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Blue
Odour	: odourless
Odour threshold	: No data available
pH	: 8
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)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.3 g/ml
Solubility	: No data available
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

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

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10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Acids. Caustic products.

10.6. Hazardous decomposition products

Zinc oxide. Selenium and its oxides. manganese dioxide. Carbon oxides (CO, CO₂). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

ATE US (oral)	544.071 mg/kg bodyweight
Unknown acute toxicity (GHS US)	2.61% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 2.61% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

copper carbonate (1184-64-1)

LD50 oral rat	159 mg/kg
ATE US (oral)	159 mg/kg bodyweight

zinc oxide (1314-13-2)

LD50 oral rat	> 5000 mg/kg no adverse signs of toxicity
LC50 inhalation rat (mg/l)	> 5700 mg/l/4h no adverse effects noted

sodium selenite (10102-18-8)

LD50 oral rat	7 mg/kg
ATE US (oral)	7 mg/kg bodyweight
ATE US (gases)	700 ppmv/4h
ATE US (vapours)	3 mg/l/4h
ATE US (dust,mist)	0.5 mg/l/4h

Benzyl alcohol (100-51-6)

LC50 inhalation rat (mg/l)	> 4178 mg/m ³
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

edetic acid (60-00-4)

LD50 oral rat	4500 mg/kg
LC50 inhalation rat (mg/l)	30 mg/m ³ LOAEC
ATE US (oral)	4500 mg/kg bodyweight

Skin corrosion/irritation	: Not classified. (Not irritating to skin. (in vitro). (OECD 439 method))
Serious eye damage/irritation	: Not classified (Not irritating to eyes. (OECD 437 method))
Respiratory or skin sensitisation	: Not classified. (No sensitizing reaction was observed for guinea pigs. OECD 406)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Likely routes of exposure	: Skin and eye contact.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

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SECTION 12: Ecological information

12.1. Toxicity

zinc oxide (1314-13-2)	
LC50 fish 1	1.793 mg/l 96 hr. Danio rerio
EC50 Daphnia 1	1.7 (1.7 - 9) mg/l OECD Guideline 202
LC50 fish 2	0.169 (0.169 - 2.17) mg/l ASTM
NOEC chronic fish	0.199 mg/l OECD Guideline 215 (Fish, Juvenile Growth Test)
NOEC chronic crustacea	0.019 mg/l 9 day
NOEC chronic algae	0.024 mg/l
sodium selenite (10102-18-8)	
LC50 fish 1	1.8 mg/l 96 h
EC50 Daphnia 1	1.1 mg/l 48 h
edetic acid (60-00-4)	
LC50 fish 1	41 mg/l 96 h
EC50 Daphnia 1	625 mg/l 24 h

12.2. Persistence and degradability

Multimin Solution for Injection for Cattle	
Persistence and degradability	Not established.
edetic acid (60-00-4)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Multimin Solution for Injection for Cattle	
Bioaccumulative potential	Not established.
zinc oxide (1314-13-2)	
Bioaccumulative potential	Not expected to bioaccumulate.
edetic acid (60-00-4)	
BCF fish 1	1.1 28 d
Log Pow	-3.34

12.4. Mobility in soil

Multimin Solution for Injection for Cattle	
Ecology - soil	No additional information available.

12.5. Other adverse effects

Other adverse effects : Avoid release to the environment.
Other information : No additional information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of in authorized waste collection plant. Do not dispose in household garbage.
Sewage disposal recommendations : Do not dispose of waste into sewer.
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 : RQ, UN3082 Environmentally hazardous substances, liquid, n.o.s. (sodium selenite), 9, III

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UN-No.(DOT)	: UN3082
Proper Shipping Name (DOT)	: Environmentally hazardous substances, liquid, n.o.s. sodium selenite
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)



DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	: 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination. 173 - An appropriate generic entry may be used for this material. 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s.," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leakproof when used as bulk packaging. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 155
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: No limit
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: No limit
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 171
Other information	: No supplementary information available.

Transport by sea

Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide, copper carbonate), 9, III, MARINE POLLUTANT
UN-No. (IMDG)	: 3082
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class (IMDG)	: 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5 L

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Air transport

Transport document description (IATA)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide, copper carbonate), 9, III
UN-No. (IATA)	: 3082
Proper Shipping Name (IATA)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
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.

sodium selenite	CAS-No. 10102-18-8	1 - 2%
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sodium selenite (10102-18-8)	
CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	10000 lb 100lb if the substance is solid in powder form with particle size less than 100 microns, or is in solution or molten form

sodium hydroxide (1310-73-2)	
CERCLA RQ	1000 lb

15.2. International regulations

CANADA

copper carbonate (1184-64-1)
Listed on the Canadian DSL (Domestic Substances List) inventory.
zinc oxide (1314-13-2)
Listed on the Canadian DSL (Domestic Substances List) inventory.
sodium selenite (10102-18-8)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Benzyl alcohol (100-51-6)
Listed on the Canadian DSL (Domestic Substances List) inventory.
edetic acid (60-00-4)
Listed on the Canadian DSL (Domestic Substances List) inventory.
sodium hydroxide (1310-73-2)
Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

copper carbonate (1184-64-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
sodium selenite (10102-18-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Benzyl alcohol (100-51-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
edetic acid (60-00-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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National regulations

Benzyl alcohol (100-51-6)

Listed on Taiwan National Chemical Inventory
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECI (Korean Existing Chemicals Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

edetic acid (60-00-4)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on Taiwan National Chemical Inventory
Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
zinc oxide(1314-13-2)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
sodium selenite(10102-18-8)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Maine - Air Pollutants - Hazardous Air Pollutants; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances; U.S. - Pennsylvania - RTK (Right to Know) List
edetic acid(60-00-4)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Right to Know List of Hazardous Chemicals
sodium hydroxide(1310-73-2)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Data sources : ACGIH (American Conference of Government Industrial Hygienists). 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. 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. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. 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. 2 (Oral)	Acute toxicity (oral), Category 2
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4

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Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Sens. 1	Skin sensitisation, Category 1
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

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

NFPA health hazard

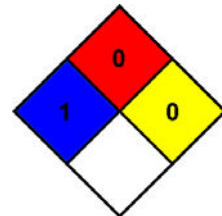
: 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard

: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

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



Indication of changes:

Section	Changed item	Change	Comments
1	Other means of identification	Added	Multimin 90

SDS Prepared by: The Redstone Group
 6077 Frantz Rd.
 Suite 206
 Dublin, Ohio, USA 43017
 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