# Muscle® ADV

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Date of issue: 07/13/2015 Version: 2.0

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Muscle® ADV

**Synonyms:** Chlorothalonil, Tebuconazole

**Other means of identification:** EPA Reg. No. 60063-49

### 1.2. Intended Use of the Product

**Use of the Substance/Mixture:** Fungicide

### 1.3. Name, Address, and Telephone of the Responsible Party

**Manufacturer**

Sipcam Agro USA, Inc.
2525 Meridian Parkway, Suite 350
Durham, NC 27713
T 919-226-1195

### 1.4. Emergency Telephone Number

**Emergency Number** : (800) 424-9300 CHEMTREC (transportation and spills) (800) 900-4044 Poison Control Center (human health) (800) 345-4735 ASPCA (animal health)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

**Classification (GHS-US)**

| | |
|---|---|
| Acute Tox. 2 (Inhalation:dust,mist) | H330 |
| Skin Sens. 1 | H317 |
| Carc. 2 | H351 |
| Repr. 2 | H361 |
| Aquatic Acute 1 | H400 |

Full text of H-phrases: see section 16

### 2.2. Label Elements

**GHS-US Labeling**

**Hazard Pictograms (GHS-US)** :

GHS06 GHS07 GHS08 GHS09

**Signal Word (GHS-US)** : Danger

**Hazard Statements (GHS-US)** : H317 - May cause an allergic skin reaction.
H330 - Fatal if inhaled.
H351 - Suspected of causing cancer (Inhalation).
H361 - Suspected of damaging fertility or the unborn child (Inhalation).
H400 - Very toxic to aquatic life.

**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 mist, spray, vapors.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective clothing, protective gloves, respiratory protection.
P284 - - Respiratory protection .

P302+P352 - If on skin: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a doctor, a POISON CENTER.
P321 - Specific treatment (see Section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 2.3. Other Hazards

No additional information available

### 2.4. Unknown Acute Toxicity (GHS-US)

~12% of the mixture consists of ingredient(s) of unknown acute toxicity. of the mixture consists of ingredients of unknown acute toxicity.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name | Product Identifier | % | Classification (GHS-US) |
|---|---|---|---|
| Chlorothalonil | (CAS No) 1897-45-6 | 30.51 | Acute Tox. 1 (Inhalation:dust,mist), H330<br>Eye Irrit. 2B, H320<br>Carc. 2, H351<br>Aquatic Acute 1, H400 |
| Tebuconazole | (CAS No) 80443-41-0 | 8.47 | Acute Tox. 3 (Oral), H301 |
| Propylene glycol | (CAS No.) 57-55-6 | ≤5 | Not Classified |

Full text of H-phrases: 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**: When symptoms occur: go into open air and ventilate suspected area.
**First-aid Measures After Skin Contact**: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
**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. Do NOT induce vomiting. Obtain emergency medical attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

**Symptoms/Injuries:** Fatal if inhaled. May cause cancer. May damage fertility. May damage the unborn child. May cause an allergic skin reaction.
**Symptoms/Injuries After Inhalation:** Fatal if inhaled.
**Symptoms/Injuries After Skin Contact:** Exposure may produce an allergic reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.
**Symptoms/Injuries After Eye Contact:** The product is not considered to be irritating to the eyes.
**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.
**Chronic Symptoms:** May cause cancer. May damage fertility or the unborn child.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Alcohol foam, carbon dioxide, dry chemical, water spray, fog. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. A heavy water stream may spread burning liquid.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses. De-contaminate equipment or materials involved in pesticide fires.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures**: Handle in accordance with good industrial hygiene and safety practice.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel. Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 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.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely.

### 6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Avoid breathing vapors or contact with the material. Only use in well ventilated areas.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Container remains hazardous when empty. Continue to observe all precautions.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible Products:** Strong acids. Strong bases. Strong oxidizers.

**Storage Area:** Store locked up.

### 7.3. Specific End Use(s)

Fungicide.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

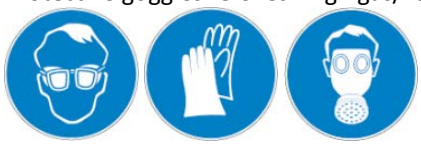
### 8.1. Control Parameters

| **Propylene glycol (57-55-6)** | | |
|---|---|---|
| **AIHA** | AIHA TWA (mg/m³) | 10 mg/m³ |

### 8.2. Exposure Controls

**Appropriate Engineering Controls** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Personal Protective Equipment** : Protective goggles. Gloves. High gas/vapor concentration: gas mask.



**Hand Protection** : Wear chemically resistant protective gloves.

**Eye Protection** : Chemical goggles or safety glasses.

**Skin and Body Protection** : Use chemically protective clothing.

**Respiratory Protection** : Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Other Information** : When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

**Physical State** : Liquid

**Appearance** : Very light beige

**Odor** : Mild odor

**Odor Threshold** : No data available

**pH** : 5.61

**Evaporation Rate** : No data available

**Melting Point** : No data available

**Freezing Point** : No data available

**Boiling Point** : 100 °C (212 °F)

**Flash Point** : No data available

**Auto-ignition Temperature** : No data available

**Decomposition Temperature** : No data available

**Flammability (solid, gas)** : No data available

**Vapor Pressure** : No data available

**Relative Vapor Density at 20 °C** : No data available

**Relative Density** : No data available

**Specific Gravity** : 1.19

**Specific gravity / density** : 9.93 lb/gal @25°C

**Solubility** : Water: Disperses

**Partition Coefficient: N-Octanol/Water** : No data available

**Viscosity** : No data available

**Oxidation/Reduction Properties** : Compatible with water, ammonium phosphate, iron powder, gasoline. Not compatible with potassium permanganate.

### 9.2. Other Information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.

**10.2. Chemical Stability:** Product is stable.

**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 oxides (CO, CO2). Silicon oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Inhalation:dust,mist: Fatal if inhaled.

| **Muscle® ADV** | |
|---|---|
| **LD50 Oral Rat** | > 5000 mg/kg |
| **LD50 Dermal Rat** | > 5050 mg/kg |
| **LC50 Inhalation Rat** | > 2.23 mg/l/4h |
| **ATE (Dust/Mist)** | 0.16 mg/l/4h |

| **Chlorothalonil (1897-45-6)** | |
|---|---|
| **LD50 Oral Rat** | 3500 - 4800 mg/kg |
| **LD50 Dermal Rat** | 2020 mg/kg |
| **LD50 Dermal Rabbit** | > 2000 mg/kg |
| **LC50 Inhalation Rat** | 2.52 - 13 mg/l/4h |
| **ATE (Oral)** | 3,500.00 mg/kg body weight |
| **ATE (Dermal)** | 2,020.00 mg/kg body weight |
| **ATE (Vapors)** | 2.52 mg/l/4h |

| | |
|---|---|
| **ATE (Dust/Mist)** | 0.05 mg/l/4h |

| **Propylene glycol (57-55-6)** | |
|---|---|
| **LD50 Oral Rat** | 20 g/kg |
| **LD50 Dermal Rabbit** | 20800 mg/kg |

**Skin Corrosion/Irritation:** Not classified
**pH:** 5.61
**Serious Eye Damage/Irritation:** Not classified.
**pH:** 5.61
**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.
**Germ Cell Mutagenicity:** Not classified
**Carcinogenicity:** Suspected of causing cancer (Inhalation).

| **Muscle® ADV** | |
|---|---|
| **Additional information** | Chlorothalonil: Repeated excessive dermal exposure may cause marked skin irritation and may increase the possibility of allergic reactions. Studies on rats and mice have suggested that technical chlorothalonil, when fed at high levels in the diet, may have oncogenic potential to these laboratory animals. However, neither chlorothalonil nor its metabolites interact with DNA and thus are not mutagenic. Tumor formation has been related to a non-genotoxic mechanism of action from which threshold levels have been established on rats and mice. Comprehensive dietary and worker exposure studies have shown exposure levels for humans to be well below these threshold levels - in addition, surveillance of chlorothalonil plant workers for many years has not demonstrated any increase in oncogenic potential to humans.<br>Tebuconazole: Based on animal toxicity studies on the active ingredient, there may be toxic effects on the following organs following chronic repeated exposure: spleen, liver, adrenal gland, and lens of the eye. In dermal toxicity studies using rabbits, the active ingredient was administered at doses up to and including 1000 mg/kg for 6 hours/day, 5 days/week for a period of 3 weeks. There were no local or systemic effects observed at any of the levels tested. The no-observed-effect-level (NOEL) was 1000 mg/kg. In a 3-week inhalation study, rats were exposed to the active ingredient for 6 hours/day, 5 days/week at aerosol concentrations of 1.2, 10.6, or 155.8 mg/cubic meter of air. Liver enzyme effects were observed at the high concentration. The NOEL was 10.6 mg/cubic meter of air. In chronic dog studies, the active ingredient was administered for 52 weeks at dietary concentrations of 40, 100, 150, 200 or 1000 ppm. Due to a lack of significant effects, the high dose was increased to 2000 ppm at 40 weeks for the remainder of the study. At the high dose, effects relating to liver, spleen, ocular and adrenal were observed. The overall NOEL from these studies was 100 ppm based on adrenal effects. In a 2-year study, the active ingredient was administered to rats at dietary concentrations of 100, 300 or 1000 ppm. There was a reduction in body weight gains and an increased incidence of liver and spleen effects at the high dose. The NOEL was 300 ppm. The active ingredient was investigated for carcinogenicity in feeding studies using rats and mice. There was no indication of a carcinogenic effect in rats or mice when tested at dose levels up to and including the maximum tolerated dose (MTD) for each species. An increased incidence of hepatocellular neoplasms occurred in mice at a dose level approximately three fold greater than the MTD. The active ingredient has been evaluated for developmental toxicity in oral studies using mice, rats and rabbits. In mice treated at dose levels ranging from 1-100 mg/kg, the NOELS for maternal and developmental toxicity were 3 and 10 mg/kg, respectively. When rats were treated at dose levels of 30, 60 or 120 mg/kg, the NOELs for maternal and developmental toxicity were 30 and 60 mg/kg, respectively. For rabbits treated at dose levels of 10, 30 or 100 mg/kg, the NOELs for maternal and developmental toxicity were less than 10 and 30 mg/kg, respectively. In dermal teratology studies on rats and mice, the active ingredient was administered during gestation at dose levels of 100, 300 or 1000 mg/kg. In rats, there was no indication of maternal or developmental toxicity; therefore, the maternal and developmental NOEL was 1000 mg/kg. In mice, the NOELs for maternal and developmental toxicity were 100 and 300 mg/kg, respectively. In a reproduction study, the active ingredient was administered to rats at dietary concentrations of 100, 300 or 1000 ppm for 2 generations. Smaller litter sizes and decreased pup weight gain was observed in conjunction with maternal toxicity at the high concentration. The maternal and reproductive NOEL was 300 ppm. |

| Chlorothalonil (1897-45-6) | |
|---|---|
| **IARC group** | 2B |
| **National Toxicology Program (NTP) Status** | Evidence of Carcinogenicity. |
| **OSHA Hazard Communication Carcinogen List** | In OSHA Hazard Communication Carcinogen list. |

**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child (Inhalation).
**Specific Target Organ Toxicity (Single Exposure):** Not classified
**Specific Target Organ Toxicity (Repeated Exposure):** Not classified
**Aspiration Hazard:** Not classified
**Symptoms/Injuries After Inhalation:** Fatal if inhaled.
**Symptoms/Injuries After Skin Contact:** Exposure may produce an allergic reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.
**Symptoms/Injuries After Eye Contact:** The product is not considered to be irritating to the eyes.
**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.
**Chronic Symptoms:** May cause cancer. May damage fertility or the unborn child.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General** : Toxic to aquatic life.

| Chlorothalonil (1897-45-6) | |
|---|---|
| **LC50 Fish 1** | 0.012 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static]) |
| **EC50 Daphnia 1** | 0.0342 - 0.143 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| **LC 50 Fish 2** | 0.0076 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |

| Propylene glycol (57-55-6) | |
|---|---|
| **LC50 Fish 1** | 51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| **EC50 Daphnia 1** | 10000 mg/l (Exposure time: 24 h - Species: Daphnia magna) |
| **LC 50 Fish 2** | 41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| **EC50 Daphnia 2** | 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |

### 12.2. Persistence and Degradability

| Muscle® ADV | |
|---|---|
| **Persistence and Degradability** | Not established. |

### 12.3. Bioaccumulative Potential

| Muscle® ADV | |
|---|---|
| **Bioaccumulative Potential** | Not established. |

| Chlorothalonil (1897-45-6) | |
|---|---|
| **Log Pow** | 2.9 (at 22 °C) |

| Propylene glycol (57-55-6) | |
|---|---|
| **BCF fish 1** | < 1 |
| **Log Pow** | -0.92 |

### 12.4. Mobility in Soil
No additional information available

### 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 of waste material in accordance with all local, regional, national, and international regulations.
**Additional Information:** Empty containers should be taken for recycle, recovery or waste in accordance with local regulation. The materials contained within this product are hazardous to the environment, do not release into the environment. Waste should be disposed via local authority waste collection service or registered waste carrier, ensuring that the destination is a licensed facility. All packaging shall be emptied and removed according to regulations, or be recirculated without removal of labeling. Do not dispose with household garbage.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. In Accordance with DOT

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Contains Chlorothalonil, Tebuconazole)

**Hazard Class** : 9
**Identification Number** : UN3082
**Label Codes** : 9
**Packing Group** : III
**Marine Pollutant** : Marine pollutant
**ERG Number** : 171

Non-Bulk-Not Regulated (DOT defined as container capacities less than or equal to 119 gallons)

### 14.2. In Accordance with IMDG

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Chlorothalonil, Tebuconazole)
**Hazard Class** : 9
**Identification Number** : UN3082
**Packing Group** : III
**Label Codes** : 9
**EmS-No. (Fire)** : F-A
**EmS-No. (Spillage)** : S-F

### 14.3. In Accordance with IATA

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Chlorothalonil, Tebuconazole)
**Packing Group** : III
**Identification Number** : UN3082
**Hazard Class** : 9
**Label Codes** : 9
**ERG Code (IATA)** : 9L

## SECTION 15: REGULATORY INFORMATION

### 15.1 US Federal Regulations

| **Muscle® ADV** | |
|---|---|
| **SARA Section 311/312 Hazard Classes** | Immediate (acute) health hazard<br>Delayed (chronic) health hazard |
| **EPA FIFRA Pesticide Product Notice** | 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. |
| **EPA FIFRA Signal Word** | Caution |
| **EPA FIFRA Hazard Statements** | Harmful if inhaled. |
| **EPA FIFRA Precautionary Statements** | Avoid breathing dust, mist or spray. Remove and wash contaminated clothing before reuse. |

| **Chlorothalonil (1897-45-6)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Listed on United States SARA Section 313 | |
| **SARA Section 313 - Emission Reporting** | 0.1 % |

| **Propylene glycol (57-55-6)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| **EPA TSCA Regulatory Flag** | Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. |

### 15.2 US State Regulations

| **Chlorothalonil (1897-45-6)** | |
|---|---|
| **U.S. - California - Proposition 65 - Carcinogens List** | WARNING: This product contains chemicals known to the State of |

| | |
|---|---|
| | California to cause cancer. |

| **Chlorothalonil (1897-45-6)** |
|---|
| U.S. - Massachusetts - Right To Know List |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| U.S. - Pennsylvania - RTK (Right to Know) List |

| **Propylene glycol (57-55-6)** |
|---|
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) List |

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 7/13/2015; supercedes 5/26/2015

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases**:

| | |
|---|---|
| Acute Tox. 1 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 1 |
| Acute Tox. 2 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 2 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) 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 3 | Hazardous to the aquatic environment - Chronic Hazard Category 3 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment - Chronic Hazard Category 4 |
| Carc. 2 | Carcinogenicity Category 2 |
| 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. Liq. 3 | Flammable liquids Category 3 |
| Repr. 2 | Reproductive toxicity Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization Category 1 |
| H226 | Flammable liquid and vapor |
| H232 | May form combustible dust concentrations in air |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H320 | Causes eye irritation |
| H330 | Fatal if inhaled |
| H351 | Suspected of causing cancer |
| H361 | Suspected of damaging fertility or the unborn child |
| H400 | Very toxic to aquatic life |
| H412 | Harmful to aquatic life with long lasting effects |
| H413 | May cause long lasting harmful effects to aquatic life |

*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.*