## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product identifier**

| | |
|---|---|
| **Trade name** | RAXIL® RISE |
| **Product code (UVP)** | 91110010 |
| **SDS Number** | 102000063504 |
| **EPA Registration No.** | 264-1227 |

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

| | |
|---|---|
| **Use** | Seed treatment |
| **Restrictions on use** | See product label for restrictions. |

**Information on supplier**

| | |
|---|---|
| **Supplier** | Bayer CropScience LP<br>800 North Lindbergh Blvd.<br>St. Louis, MO 63167<br>USA |
| **Responsible Department** | Email: SDSINFO.BCS-NA@bayer.com |

**Emergency telephone no.**

| | |
|---|---|
| **Emergency Telephone Number (24hr/ 7 days)** | 1-800-334-7577 |
| **Product Information Telephone Number** | 1-866-99BAYER (1-866-992-2937) |

## SECTION 2: HAZARDS IDENTIFICATION

**Classification in accordance with regulation HCS 29CFR §1910.1200**
Reproductive toxicity: Category 2

**Labelling in accordance with regulation HCS 29CFR §1910.1200**



**Signal word**: Warning

**Hazard statements**
Suspected of damaging fertility or the unborn child.

**Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF exposed or concerned: Get medical advice/ attention.
Store locked up.
Protect from sunlight.
Dispose of contents/container in accordance with local regulation.

**Hazards Not Otherwise Classified (HNOC)**
No physical hazards not otherwise classified.
No health hazards not otherwise classified.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Component Name | CAS-No. | Concentration % by weight |
|---|---|---|
| Penflufen | 494793-67-8 | 1.45 |
| Prothioconazole | 178928-70-6 | 1.45 |
| Metalaxyl | 57837-19-1 | 0.58 |
| Tebuconazole | 107534-96-3 | 0.29 |

## SECTION 4: FIRST AID MEASURES

**Description of first aid measures**

**General advice** When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

**Inhalation** Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

**Skin contact** Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.

**Eye contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.

**Ingestion** Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** To date no symptoms are known.

**Indication of any immediate medical attention and special treatment needed**

| | |
|---|---|
| **Treatment** | Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. |

## SECTION 5: FIREFIGHTING MEASURES

**Extinguishing media**

| | |
|---|---|
| **Suitable** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Unsuitable** | High volume water jet |
| **Special hazards arising from the substance or mixture** | Dangerous gases are evolved in the event of a fire. |

**Advice for firefighters**

| | |
|---|---|
| **Special protective equipment for firefighters** | In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing. |
| **Further information** | Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. |

**Specific hazards from the substance or mixture which can increase the fire**

| | |
|---|---|
| **Flash point** | No flash point - Determination conducted up to the boiling point., Test conducted with a similar formulation. |
| **Auto-ignition temperature** | No data available |
| **Lower explosion limit** | No data available |
| **Upper explosion limit** | No data available |
| **Explosivity** | No data available |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

| | |
|---|---|
| **Precautions** | Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. |

**Methods and materials for containment and cleaning up**

| | |
|---|---|
| **Methods for cleaning up** | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations. |
| **Additional advice** | Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. |
| **Reference to other sections** | Information regarding safe handling, see section 7.<br>Information regarding personal protective equipment, see section 8.<br>Information regarding waste disposal, see section 13. |

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

| | |
|---|---|
| **Advice on safe handling** | Use only in area provided with appropriate exhaust ventilation. Handle and open container in a manner as to prevent spillage. |
| **Hygiene measures** | Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.<br>Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing. |

**Conditions for safe storage, including any incompatibilities**

| | |
|---|---|
| **Requirements for storage areas and containers** | Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Keep away from direct sunlight. Protect from freezing. |
| **Advice on common storage** | Keep away from food, drink and animal feedingstuffs. |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

| Components | CAS-No. | Control parameters | Update | Basis |
|---|---|---|---|---|
| Penflufen | 494793-67-8 | 1.1 mg/m3 | | OES BCS* |

| | | | | |
|---|---|---|---|---|
| | | (TWA) | | |
| Prothioconazole | 178928-70-6 | 1.4 mg/m3 (SK-ABS) | | OES BCS* |
| Tebuconazole | 107534-96-3 | 0.2 mg/m3 (SK-ABS) | | OES BCS* |

*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

**Exposure controls**

**Personal protective equipment**
In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

| | |
|---|---|
| **Respiratory protection** | When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations. |
| **Hand protection** | Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber or Viton) |
| **Eye protection** | Tightly fitting safety goggles |
| **Skin and body protection** | Wear long-sleeved shirt and long pants and shoes plus socks. |
| **General protective measures** | Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.<br>Keep and wash PPE separately from other laundry. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Form** | suspension |
| **Colour** | red |
| **Odour** | characteristic |
| **Odour Threshold** | No data available |
| **pH** | 4.0 - 6.0 (100 %) (23 °C) |
| **Melting point/ range** | No data available |
| **Boiling point/boiling range** | 100 °C / 212 °F<br>Test conducted with a similar formulation. |
| **Flash point** | No flash point - Determination conducted up to the boiling point., Test conducted with a similar formulation. |
| **Flammability** | No data available |
| **Auto-ignition temperature** | No data available |

| | |
|---|---|
| **Thermal decomposition** | No data available |
| **Minimum ignition energy** | No data available |
| **Self-accelarating decomposition temperature (SADT)** | No data available |
| **Upper explosion limit** | No data available |
| **Lower explosion limit** | No data available |
| **Vapour pressure** | No data available |
| **Evaporation rate** | No data available |
| **Relative vapour density** | No data available |
| **Relative density** | No data available |
| **Density** | ca. 1.06 g/cm³ (20 °C) |
| **Water solubility** | No data available |
| **Partition coefficient: n-octanol/water** | Penflufen: log Pow: 3.3 (25 °C)<br><br>Prothioconazole: log Pow: 3.82 (20 °C) (pH 7)<br>Tebuconazole: log Pow: 3.7 |
| **Viscosity, dynamic** | 70 - 200 mPa.s (20 °C)<br>Velocity gradient 20 /s<br>40 - 100 mPa.s (20 °C)<br>Velocity gradient 100 /s |
| **Viscosity, kinematic** | No data available |
| **Oxidizing properties** | No data available |
| **Explosivity** | No data available |
| **Other information** | Further safety related physical-chemical data are not known. |

## SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity** | Stable under normal conditions. |
| **Chemical stability** | Stable under recommended storage conditions. |
| **Possibility of hazardous reactions** | No hazardous reactions when stored and handled according to prescribed instructions. |

| | |
|---|---|
| **Conditions to avoid** | Extremes of temperature and direct sunlight. |
| **Incompatible materials** | No incompatible materials known. |
| **Hazardous decomposition products** | No decomposition products expected under normal conditions of use. |

## SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|---|---|
| **Exposure routes** | Eye contact, Skin contact, Inhalation, Ingestion |
| **Immediate Effects** | |
| **Eye** | May cause temporary eye irritation. |
| **Skin** | May be harmful in contact with skin. |
| **Ingestion** | May be harmful if swallowed. |
| **Inhalation** | May be harmful if inhaled. |
| **Information on toxicological effects** | |
| **Acute oral toxicity** | LD50 (female Rat) > 5,000 mg/kg<br>Test conducted with a similar formulation. |
| **Acute inhalation toxicity** | LC50 (Rat) 5.12 mg/l<br>Test conducted with a similar formulation. |
| **Acute dermal toxicity** | Test conducted with a similar formulation.<br>Dermal toxicity study has been waived by competent regulatory authority.<br>Dermal toxicity was assessed based on the result of the oral toxicity study. |
| **Skin corrosion/irritation** | slight irritation (Rabbit)<br>Test conducted with a similar formulation. |
| **Serious eye damage/eye irritation** | Moderate eye irritation. (Rabbit)<br>Test conducted with a similar formulation. |
| **Respiratory or skin sensitisation** | Skin: Non-sensitizing.<br>Test conducted with a similar formulation. |

**Assessment STOT Specific target organ toxicity – single exposure**

Penflufen: Based on available data, the classification criteria are not met.
Prothioconazole: Based on available data, the classification criteria are not met.
Metalaxyl: Based on available data, the classification criteria are not met.
Tebuconazole: Based on available data, the classification criteria are not met.

**Assessment STOT Specific target organ toxicity – repeated exposure**

Penflufen did not cause specific target organ toxicity in experimental animal studies.
Prothioconazole did not cause specific target organ toxicity in experimental animal studies.
Metalaxyl did not cause specific target organ toxicity in experimental animal studies.

Tebuconazole did not cause specific target organ toxicity in experimental animal studies.

**Assessment mutagenicity**

Penflufen was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Prothioconazole was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.
Metalaxyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Tebuconazole was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

**Assessment carcinogenicity**

Penflufen caused at high dose levels an increased incidence of tumours in rats in the following organ(s): ovaries, Brain, hematopoietic system. The mechanism that triggers these tumours is not relevant to humans.
Prothioconazole was not carcinogenic in lifetime feeding studies in rats and mice.
Metalaxyl was not carcinogenic in lifetime feeding studies in rats and mice.
Tebuconazole caused at high dose levels an increased incidence of tumours in mice in the following organ(s): Liver. The mechanism of tumour formation is not considered to be relevant to man.

**ACGIH**

None.

**NTP**

None.

**IARC**

None.

**Assessment toxicity to reproduction**

Penflufen did not cause reproductive toxicity in a two-generation study in rats.
Prothioconazole caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Prothioconazole is related to parental toxicity.
Metalaxyl did not cause reproductive toxicity in a multi-generation study in rats.
Tebuconazole caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Tebuconazole is related to parental toxicity.

**Assessment developmental toxicity**

Penflufen did not cause developmental toxicity in rats and rabbits.
Prothioconazole caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Prothioconazole are related to maternal toxicity.
Metalaxyl did not cause developmental toxicity in rats and rabbits.
Tebuconazole caused developmental toxicity only at dose levels toxic to the dams. Tebuconazole caused an increased incidence of post implantation losses, an increased incidence of non-specific malformations.

**Aspiration hazard**

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

**Further information**

Acute toxicity studies have been bridged from a similar formulation(s).

The non-acute information pertains to the active ingredient(s).
No further toxicological information is available.

## SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|---|
| **Toxicity to fish** | LC50 (Cyprinus carpio (Carp)) 0.103 mg/l<br>Exposure time: 96 h<br>The value mentioned relates to the active ingredient penflufen.<br><br>LC50 (Oncorhynchus mykiss (rainbow trout)) 1.83 mg/l<br>Exposure time: 96 h<br>The value mentioned relates to the active ingredient prothioconazole.<br><br>LC50 (Oncorhynchus mykiss (rainbow trout)) > 100 mg/l<br>Exposure time: 96 h<br>The value mentioned relates to the active ingredient metalaxyl.<br><br>LC50 (Oncorhynchus mykiss (rainbow trout)) 4.4 mg/l<br>Exposure time: 96 h<br>The value mentioned relates to the active ingredient tebuconazole. |
| **Chronic toxicity to fish** | Pimephales promelas (fathead minnow)<br>NOEC: 0.0234 mg/l<br>Exposure time: 35 d<br>The value mentioned relates to the active ingredient penflufen. |
| **Toxicity to aquatic invertebrates** | EC50 (Daphnia magna (Water flea)) > 4.66 mg/l<br>Exposure time: 48 h<br>The value mentioned relates to the active ingredient penflufen.<br>No acute toxicity was observed at its limit of water solubility.<br><br>EC50 (Daphnia magna (Water flea)) 1.3 mg/l<br>Exposure time: 48 h<br>The value mentioned relates to the active ingredient prothioconazole.<br><br>The value mentioned relates to the active ingredient metalaxyl.<br>No data available<br><br>EC50 (Daphnia magna (Water flea)) 2.79 mg/l<br>Exposure time: 48 h<br>The value mentioned relates to the active ingredient tebuconazole. |
| **Chronic toxicity to aquatic invertebrates** | NOEC (Daphnia magna (Water flea)): 1.5 mg/l<br>Exposure time: 21 d<br>The value mentioned relates to the active ingredient penflufen.<br><br>NOEC (Daphnia (water flea)): 0.01 mg/l<br>Exposure time: 21 d<br>The value mentioned relates to the active ingredient tebuconazole. |
| **Toxicity to aquatic plants** | EC50 (Raphidocelis subcapitata (freshwater green alga)) > 5.1 mg/l |

Growth rate; Exposure time: 96 h
The value mentioned relates to the active ingredient penflufen.
No acute toxicity was observed at its limit of water solubility.

EC50 (Lemna gibba (gibbous duckweed)) > 4.7 mg/l
static test; Exposure time: 7 d
The value mentioned relates to the active ingredient penflufen.

ErC50 (Raphidocelis subcapitata (freshwater green alga)) 2.18 mg/l
Growth rate; Exposure time: 72 h
The value mentioned relates to the active ingredient prothioconazole.

ErC50 (Skeletonema costatum) 0.03278 mg/l
Growth rate; Exposure time: 72 h
The value mentioned relates to the active ingredient prothioconazole.

EC10 (Skeletonema costatum) 0.01427 mg/l
Growth rate; Exposure time: 72 h
The value mentioned relates to the active ingredient prothioconazole.

EC50 (Raphidocelis subcapitata (freshwater green alga)) 3.8 mg/l
Growth rate; Exposure time: 72 h
The value mentioned relates to the active ingredient tebuconazole.

EC50 (Lemna gibba (gibbous duckweed)) 0.237 mg/l
Growth rate; Exposure time: 7 d
The value mentioned relates to the active ingredient tebuconazole.

**Toxicity to bacteria**

EC50 (activated sludge) > 1,000 mg/l
Exposure time: 3 h
The value mentioned relates to the active ingredient penflufen.

The value mentioned relates to the active ingredient prothioconazole.
No data available

**Biodegradability**

Penflufen:
Not rapidly biodegradable
Prothioconazole:
Not rapidly biodegradable
Metalaxyl:
Not rapidly biodegradable
Tebuconazole:
Not rapidly biodegradable

**Koc**

Penflufen: Koc: 280
Prothioconazole: Koc: 1765
Metalaxyl: Koc: 163
Tebuconazole: Koc: 769

**Bioaccumulation**

Penflufen: Bioconcentration factor (BCF) 142
Does not bioaccumulate.
Prothioconazole: Bioconcentration factor (BCF) 19
Does not bioaccumulate.
Metalaxyl: Bioconcentration factor (BCF) < 7
Does not bioaccumulate.
Tebuconazole: Bioconcentration factor (BCF) 35 - 59

| | |
|---|---|
| | Does not bioaccumulate. |
| **Mobility in soil** | Penflufen: mobile in soil<br>Prothioconazole: criterion of mobility not fulfilled<br>Metalaxyl: Moderately mobile in soils<br>Tebuconazole: criterion of mobility not fulfilled |

**Results of PBT and vPvB assessment**

| | |
|---|---|
| **PBT and vPvB assessment** | Penflufen: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).<br>Prothioconazole: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).<br>Metalaxyl: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).<br>Tebuconazole: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). |
| **Additional ecological information** | No other effects to be mentioned. |
| **Environmental precautions** | Do not allow to get into surface water, drains and ground water.<br>Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. |

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

| | |
|---|---|
| **Product** | Dispose in accordance with all local, state/provincial and federal regulations. |
| **Contaminated packaging** | Consult state and local regulations regarding the proper disposal of container.<br>Follow advice on product label and/or leaflet. |
| **RCRA Information** | Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply. |

## SECTION 14: TRANSPORT INFORMATION

| | |
|---|---|
| **49CFR** | Not dangerous goods / not hazardous material |

**IMDG**

| | |
|---|---|
| UN number | **3082** |
| Class | 9 |

| | |
|---|---|
| Packaging group | III |
| Marine pollutant | YES |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE, PROTHIOCONAZOLE SOLUTION) |

**IATA**

| | |
|---|---|
| UN number | **3082** |
| Class | 9 |
| Packaging group | III |
| Environm. Hazardous Mark | YES |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE, PROTHIOCONAZOLE SOLUTION ) |

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

## SECTION 15: REGULATORY INFORMATION

If more information is required, call the product information number listed in Section 1.

**EPA Registration No.** 264-1227
**US Federal Regulations**
**TSCA list**

| | |
|---|---|
| Water | 7732-18-5 |
| 1,2-Propanediol | 57-55-6 |
| Linseed oil | 8001-26-1 |
| Calcium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate | 7023-61-2 |
| Polyethylene-polypropylene copolymer | 9003-11-6 |
| Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy-, ether with D-glucitol, heptakis[(9Z)-9-octadecenoate] | 63089-85-0 |

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**
No export notification needs to be made.
**SARA Title III - Section 302 - Notification and Information**
Not applicable.
**SARA Title III - Section 313 - Toxic Chemical Release Reporting**
None.

**US States Regulatory Reporting**
**CA Prop65**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**US State Right-To-Know Ingredients**

| | | |
|---|---|---|
| 1,2-Propanediol | 57-55-6 | MN, RI |
| Linseed oil | 8001-26-1 | MN, RI |

**Environmental**
**CERCLA**
None.
**Clean Water Section 307(a)(1)**
None.
**Safe Drinking Water Act Maximum Contaminant Levels**
Yes

| | |
|---|---|
| Tebuconazole | 107534-96-3 |

**EPA/FIFRA Information:**
This chemical is a pesticide product regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

**Signal word:** Caution!

**Hazard statements:** Causes moderate eye irritation.
Harmful if absorbed through skin.

## SECTION 16: OTHER INFORMATION

**Abbreviations and acronyms**

| | |
|---|---|
| 49CFR | Code of Federal Regulations, Title 49 |
| ACGIH | US. ACGIH Threshold Limit Values |
| ATE | Acute toxicity estimate |
| CAS-Nr. | Chemical Abstracts Service number |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| EINECS | European inventory of existing commercial substances |
| ELINCS | European list of notified chemical substances |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| N.O.S. | Not otherwise specified |
| NTP | US. National Toxicology Program (NTP) Report on Carcinogens |
| OECD | Organization for Economic Co-operation and Development |
| TDG | Transportation of Dangerous Goods |
| TWA | Time weighted average |
| UN | United Nations |
| WHO | World health organisation |

**NFPA 704 (National Fire Protection Association):**

| | | | |
|---|---|---|---|
| Health - 2 | Flammability - 0 | Instability - 0 | Others - none |

**HMIS (Hazardous Materials Identification System, based on the Fourth Edition Ratings Guide)**

| | | | |
|---|---|---|---|
| Health - 1* | Flammability - 0 | Physical Hazard - 0 | PPE - |

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard,
* = chronic health hazard

**Reason for Revision:** Reviewed and updated for general editorial purposes.

**Revision Date:** 10/17/2025

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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