



**Safety Data Sheet - GHS**

**1. IDENTIFICATION: CHEMICAL PRODUCT AND COMPANY**

**PRODUCT NAME:** Excalia® Fungicide  
**PCPA REGISTRATION NUMBER:** 33819  
**VC NUMBER(S):** VC-1946  
**SYNONYM(S):** S-2399 2.84 SC Fungicide  
**PRODUCT DESCRIPTION:** Fungicide

Excalia® is a registered trademark of Sumitomo Chemical Co., Ltd.

**MANUFACTURER/DISTRIBUTOR**  
 VALENT CANADA, INC.  
 201-230 Hanlon Creek Blvd.  
 Guelph, Ontario N1C 0A1  
 (519) 767-9262  
 www.valent.ca

**EMERGENCY TELEPHONE NUMBERS**  
 HEALTH EMERGENCY OR SPILL (24 hr):  
 (800) 682-5368  
 TRANSPORTATION (24 hr.): CHEMTREC  
 (800) 424-9300 or (202) 483-7616

**2. HAZARDS IDENTIFICATION**

**Classification** - Per WHMIS 2015

This product has been classified under the Guidelines of 2015 Health Canada requirements and the implementation of the GHS (Revision 5) under HPR and the HPA.

|   |            |
|---|------------|
| Acute toxicity - Oral                     | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |

**Label elements**

**Signal Word**

**WARNING**



**Hazard statements**  
 Harmful if swallowed  
 Harmful if inhaled

**Precautionary statements****Prevention**

Wash face, hands and any exposed skin thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Avoid breathing fume/mist/vapors/spray.

**Response.**

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 Rinse mouth.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage**

None

**Disposal**

Dispose of contents/container in accordance with local/regional/national regulations

**Hazards not otherwise classified (HNOC)**

Very toxic to aquatic life.  
 Very toxic to aquatic life with long lasting effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name     | CAS No.       | Weight-% |
|-------------------|---------------|----------|
| Inpyrfluxam       | 1352994-67-2  | 31.25    |
| Proxel GXL        | 2634-33-4     | 0.1      |
| Kelzan CC         | 11138-66-2    | 0.2      |
| Other ingredients | Various CAS#s | Balance  |

### 4. FIRST AID MEASURES

**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 poison control center or doctor for treatment advice.

**SKIN CONTACT:**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**INGESTION:**

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.

**INHALATION:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTES TO PHYSICIAN:**

Treat symptomatically and supportively.

## 5. FIRE FIGHTING MEASURES

**Flash point °C** Not Determined  
**Flash point °F** Not Determined  
**EXTINGUISHING MEDIA:** Water fog, carbon dioxide, foam, dry chemical

**FIRE FIGHTING INSTRUCTIONS:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Prevent extinguishing media run off from entering drains, sewers, and bodies of water.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May produce toxic gases of: HCl gas, hydrogen cyanide (HCN), Oxides of carbon and nitrogen

## 6. ACCIDENTAL RELEASE MEASURES

**CONTAINMENT:** Avoid runoff into storm sewers and ditches which lead to waterways. Contain spilled liquids with dry sorbents.

**CLEANUP:** Clean up spill immediately. Absorb spill with inert material (such as dry sand or earth), then place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Use only in well ventilated area. Avoid contact with skin and eyes. Do not breath dust.

**STORAGE:** Store in a cool, well-ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep only in original container. Do not put concentrate into food or drink containers. Do not dilute concentrate in food or drink containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE LIMITS

| Chemical name                      | ACGIH Exposure Limits  | Other Exposure Limits                                |
|------------------------------------|--|--|
| Smectite Clay<br>CAS# 12199-37-0   | TWA: 10 mg/m <sup>3</sup> total dust; 3 mg/m <sup>3</sup> respirable dust (PNOS) | None   |
| Propylene glycol<br>CAS# 57-55-6   | None   | Ontario: TWA 10 mg/m <sup>3</sup>                    |
| Sodium hydroxide<br>CAS# 1310-73-2 | TWA 2 mg/m <sup>3</sup>  | Ontario: STEL (Ceiling Limit)<br>2 mg/m <sup>3</sup> |
| Glyoxal<br>CAS# 107-22-2           | TWA 0.1 mg/m <sup>3</sup> Inhalable fraction and vapor (IFV)                     | Ontario: TWA 0.1 mg/m <sup>3</sup> (IFV)             |

**EYES & FACE:** Do not get this material in your eyes. Eye contact can be avoided by wearing safety goggles or a face shield.

**RESPIRATORY PROTECTION:** Use this material only in well ventilated areas. If ventilation is not adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

**SKIN & HAND PROTECTION:** Avoid contact with skin or clothing. Skin contact can be minimized by wearing protective clothing including gloves.

**ENGINEERING CONTROLS:** Use in a well-ventilated area.

**Emergency Telephone:** (800) 682-5368  
**REVISION NUMBER:** 0

**SDS NO.:** CAN-0458  
**REVISION DATE:** 11/12/2020

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                       |                      |                                     |                                   |
|---------------------------------------|----------------------|-------------------------------------|-----------------------------------|
| <b>Appearance:</b>                    |                      | <b>Vapor pressure</b>               | Not determined                    |
| <b>Physical State</b>                 | Liquid               | <b>Vapor density</b>                | Not determined                    |
| <b>Color</b>                          | Off-white            | <b>Specific Gravity</b>             | Not determined                    |
| <b>Odor</b>                           | Rancid               | <b>Water solubility</b>             | Dispersible                       |
| <b>pH</b>                             | 8.03 @ 25°C (1% w/v) | <b>Solubility in other solvents</b> | Not determined                    |
| <b>Melting point / freezing point</b> | Not determined       | <b>Partition coefficient</b>        | Not determined                    |
| <b>Boiling point / boiling range</b>  | Not determined       | <b>Autoignition temperature</b>     | Not determined                    |
| <b>Flash point</b>                    | Not determined       | <b>Decomposition temperature</b>    | Not determined                    |
| <b>Evaporation rate</b>               | Not determined       | <b>Viscosity</b>                    | 84.1 cP @ 20°C;<br>66.1 cP @ 40°C |
| <b>Flammability (solid, gas)</b>      | Not determined       | <b>Explosive properties</b>         | Not determined                    |
| <b>Flammability Limits in Air:</b>    |                      | <b>Oxidizing properties</b>         | Not determined                    |
| <b>Upper flammability limits</b>      | Not determined       | <b>Liquid Density</b>               | 1.08 g/cm <sup>3</sup> @ 20°C     |
| <b>Lower flammability limits</b>      | Not determined       | <b>Bulk density</b>                 | Not determined                    |

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY:**

|   |                  |                  |                |
|---|------------------|------------------|----------------|
| Oral Toxicity LD <sub>50</sub> (rats)       | 550 mg/kg        | EPA Tox Category | III            |
| Dermal Toxicity LD <sub>50</sub> (rats)     | >5,000 mg/kg     | EPA Tox Category | IV             |
| Inhalation Toxicity LC <sub>50</sub> (rats) | >2.10 mg/L (4 h) | EPA Tox Category | IV             |
| Eye Irritation (rabbits)                    | Not irritating   | EPA Tox Category | IV             |
| Skin Irritation (rabbits)                   | Not irritating   | EPA Tox Category | IV             |
| Mouse (LLNA method)                         | Not a sensitizer | EPA Tox Category | Not applicable |

**CARCINOGEN CLASSIFICATION**

| Chemical name | IARC Group 1 or 2 | OSHA - Select Carcinogens | NTP Carcinogen List |
|---------------|-------------------|---------------------------|---------------------|
| None          |                   |                           |                     |

**TOXICITY OF S-2399 TECHNICAL**

**MUTAGENICITY:** Ames test: negative  
Chromosomal Aberration test (CHL): negative  
Micronucleus test (mouse): negative

**12. ECOLOGICAL INFORMATION**

**AVIAN TOXICITY:** No data available

**AQUATIC ORGANISM TOXICITY:** S-2399 Technical is very toxic to aquatic organisms, based on the following tests:  
96 hr LC<sub>50</sub> rainbow trout: 0.031 mg/L  
96 hr LC<sub>50</sub> carp: <0.067mg/L  
48 hr EC<sub>50</sub> daphnia magna: 1.1 mg/L  
72 hr EC<sub>50</sub> Green algae: 23 mg/L

**OTHER NON-TARGET ORGANISM TOXICITY:** The following information for is for S-2399 Technical:  
48 Hr. Adult Acute Oral Exposure: > 111.3 micrograms ai/bee/day  
72 Hr. Larval Acute Exposure: > 100 micrograms ai/day

**13. DISPOSAL CONSIDERATIONS**

Check government regulations and local authorities for approved disposal of this material. Dispose of in accordance with applicable laws and regulations.

**14. TRANSPORTATION INFORMATION**

**DOT (ground) SHIPPING NAME:** Not regulated for domestic ground transport by U.S. DOT or Canada TDG.

**ICAO/IATA SHIPPING NAME:** UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Pyrazole derivative mixture), 9, III, Marine Pollutant

**REMARKS:** Single or inner packaging less than 5 L (liquid) or 5 Kg net (solids) excepted from Dangerous Goods regulations – see IATA Special Provision A197

**IMDG SHIPPING NAME:** UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Pyrazole derivative mixture), 9, III, Marine Pollutant

**REMARKS:** Single or inner packaging less than 5 L (liquid) or 5 Kg net (solids) excepted from Dangerous Goods regulations – see IMDG 2.10.2.7

**EMS NO.:** F-A, S-F

**15. REGULATORY INFORMATION**

Pesticide products in Canada are registered by PMRA and are subject to certain labeling requirements under federal pesticide law. The label, as specified in the Pest Control Products Act (PCPA), is the main document to be followed for safety, use, and handling. These label requirements may differ from the classification criteria and hazard information required under WHMIS GHS for the data sheets and for workplace labels of non-pesticide chemicals. The following hazard information is required on the product label:

**PMRA SIGNAL WORD:** Warning

**PMRA pesticide label hazard information:** Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Keep out of reach of children.

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| Chemical name              | Canada DSL Inventory List | Canada NDSL Inventory List | EINECS Inventory List |
|----------------------------|---------------------------|----------------------------|-----------------------|
| Propylene glycol           | Present                   | Not listed                 | Present               |
| 1,2-benzisothiazolin-3-one | Present                   | Not listed                 | Present               |

For information regarding potential adverse health effects from exposure to this product, refer to Sections 2 and 11.

**PESTICIDE REGULATIONS:** All pesticides are governed under PCPA. Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

**PROVINCIAL REGULATIONS:** This product did not trigger any provincial regulations.

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** New SDS  
**SDS NO.:** CAN-0458  
**PCPA REGISTRATION NUMBER:** 33819  
**REVISION NUMBER:** 0  
**REVISION DATE:** 11/12/2020  
**SUPERCEDES DATE:** NEW  
**RESPONSIBLE PERSON(S):** Valent U.S.A. LLC, Corporate EH&S

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The Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE PMRA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use.

The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the PMRA under the authority of the *Pest Control Products Act* through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use a PMRA-registered pesticide product in any manner inconsistent with its labeling.

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|                             |                |                       |            |
|-----------------------------|----------------|-----------------------|------------|
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| <b>REVISION NUMBER:</b>     | 0              | <b>REVISION DATE:</b> | 11/12/2020 |