

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND <sup>TM/MC</sup> CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

### SECTION 1. IDENTIFICATION

Product name : CIVITAS WEEDfree BRAND <sup>TM/MC</sup> CONCENTRATE  
Product code : CVTWFUSDR3, CVTWFUSC5U, CVTWFUSIBC, CVTWFUS

Manufacturer or supplier's details  
Intelligro <sup>TM</sup>  
2310 Lakeshore Road West  
Mississauga ON L5J 1K2  
Canada

Emergency telephone number : Petro-Canada Lubricants Inc.: 1-844-388-2665;  
CHEMTREC Transport Emergency: 1-800-424-9300;  
Poison Control Centre: Consult local telephone directory for emergency number(s).

#### Recommended use of the chemical and restrictions on use

Recommended use : Selective Herbicide for controlling broadleaf weeds in turf.  
EPA Registration Number: 69526-15

Prepared by : Product Safety: +1 905-491-0565

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	Clear liquid.
Colour	Yellowish.
Odour	mild

#### GHS Classification

Carcinogenicity : Category 2

Aspiration hazard : Category 1

This product is an EPA FIFRA registered pesticide. Some of the classifications on this SDS are not the same as the FIFRA label. Certain sections of this SDS are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

Mineral oil is on the minimum risk inert list by EPA (FIFRA 25 b list).  
The herbicide 2,4-D was classified as possibly carcinogenic to humans (Group 2B), based on inadequate evidence in humans and limited evidence in experimental animals. There is strong evi-

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND™/MC CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

dence that 2,4-D induces oxidative stress, a mechanism that can operate in humans, and moderate evidence that 2,4-D causes immunosuppression, based on in vivo and in vitro studies. However, epidemiological studies did not find strong or consistent increases in risk of NHL or other cancers in relation to 2,4-D exposure.

### GHS label elements

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: May be fatal if swallowed and enters airways.  
Suspected of causing cancer.  
Aspiration hazard due to possible risk of Mineral Oil liquid content being consumed through the oral or nasal cavity, or indirectly through vomiting, into the trachea and lower respiratory system.

Precautionary statements

: **Prevention:**  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
**Response:**  
IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
IF exposed or concerned: Get medical advice/ attention.  
Do NOT induce vomiting.  
**Storage:**  
Store locked up.  
**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

### Potential Health Effects

Primary Routes of Entry

: Eye contact  
Ingestion  
Inhalation  
Skin contact

Aggravated Medical Condition

: None known.

### Other hazards

None known.

**IARC**

Group 2B: Possibly carcinogenic to humans

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND™/MC CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

2,4-D, dimethylamine salt

2008-39-1

### OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

Chemical name	CAS-No.	Concentration
White mineral oil (petroleum)	8042-47-5	70 - 90 %
Alcohols C12-C15 ethoxylated	9002-92-0	5 - 10 %
2,4-D, dimethylamine salt	2008-39-1	0.885 %
Mecoprop-p, dimethylamine salt	66423-09-4	0.573 %
Dicamba, dimethylamine salt	2300-66-5	0.109 %

## SECTION 4. FIRST AID MEASURES

- If inhaled : Move to fresh air.  
Artificial respiration and/or oxygen may be necessary.  
Seek medical advice.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.  
Wash skin thoroughly with soap and water or use recognized skin cleanser.  
Wash clothing before reuse.  
Seek medical advice.
- In case of eye contact : Remove contact lenses.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Obtain medical attention.
- If swallowed : Rinse mouth with water.  
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.  
Seek medical advice.
- Most important symptoms and effects, both acute and delayed : First aider needs to protect himself.

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND <sup>TM/MC</sup> CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

---

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : No information available.
- Specific hazards during fire-fighting : Cool closed containers exposed to fire with water spray.
- Hazardous combustion products : Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), hydrogen chloride, smoke and irritating vapours as products of incomplete combustion.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.
- 

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Material can create slippery conditions.
- Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Prevent further leakage or spillage if safe to do so.  
Remove all sources of ignition.  
Soak up with inert absorbent material.  
Non-sparking tools should be used.  
Ensure adequate ventilation.  
Contact the proper local authorities.
- 

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Avoid contact with skin, eyes and clothing.  
Do not ingest.  
Keep away from heat and sources of ignition.  
Keep container closed when not in use.
- Conditions for safe storage : Store in original container.  
Containers which are opened must be carefully resealed and

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND™/MC CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

---

kept upright to prevent leakage.  
Keep in a dry, cool and well-ventilated place.  
Keep in properly labelled containers.  
To maintain product quality, do not store in heat or direct sunlight.  
Protect from freeze.

---

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Personal protective equipment

**Respiratory protection** : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Filter type** : organic vapour filter

**Hand protection**  
**Material** : neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).

**Remarks** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye protection** : Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Protective measures** : Wash hands and face before breaks and immediately after handling the product.  
Wash contaminated clothing before re-use.  
Ensure that eyewash station and safety shower are proximal to the work-station location.

**Hygiene measures** : Remove and wash contaminated clothing and gloves, including the inside, before re-use.  
Wash face, hands and any exposed skin thoroughly after handling.

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND™/MC CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear liquid.
Colour	: Yellowish.
Odour	: mild
Odour Threshold	: No data available
pH	: No data available
Pour point	: No data available
Boiling point/boiling range	: No data available
Flash point	: > 100 °C (> 212 °F) Method: Tagliabue
Fire Point	: No data available
Auto-Ignition Temperature	: No data available
Evaporation rate	: No data available
Flammability	: Low fire hazard. This material must be heated before ignition will occur.
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: 0.858 kg/l (15 °C / 59 °F)
Solubility(ies)	
Water solubility	: No data available
Partition coefficient: n-octanol/water	: No data available
Viscosity	
Viscosity, kinematic	: 19.8 cSt (40 °C / 104 °F)
Explosive properties	: Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

---

### SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reac- : Hazardous polymerisation does not occur.

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND™/MC CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

---

tions	Stable under normal conditions.
Conditions to avoid	: No data available
Incompatible materials	: Reactive with oxidising agents, acids and alkalis.
Hazardous decomposition products	: May release CO <sub>x</sub> , NO <sub>x</sub> , hydrogen chloride, halogenated hydrocarbons, hydrocarbons, smoke and irritating vapours when heated to decomposition.

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Eye contact  
Ingestion  
Inhalation  
Skin contact

#### Acute toxicity

##### Product:

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg,
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: LD50 (Rat): > 5,050 mg/kg,

##### Components:

##### **White mineral oil (petroleum):**

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg,
Acute inhalation toxicity	: LC50 (Rat): > 5.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	: LD50 (Rabbit): > 2,000 mg/kg,

##### **Alcohols C12-C15 ethoxylated:**

Acute oral toxicity	: LD50 (Rat): 8,600 mg/kg, LD50 (Mouse): 3,500 mg/kg,
---------------------	--

##### **Dicamba, dimethylamine salt:**

Acute oral toxicity	: LD50 (Rat): 2,629 mg/kg,
Acute dermal toxicity	: LD50 (Rabbit): > 2,000 mg/kg,

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND™/MC CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

---

### Skin corrosion/irritation

**Product:**

Remarks: No data available

### Serious eye damage/eye irritation

**Product:**

Remarks: No data available

### Respiratory or skin sensitisation

No data available

### Germ cell mutagenicity

No data available

### Carcinogenicity

No data available

### Reproductive toxicity

No data available

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

No data available

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae : Remarks: No data available

Toxicity to bacteria : Remarks: No data available

### Persistence and degradability

**Product:**



# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND™/MC CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

---

Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301B

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

No data available

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Offer surplus and non-recyclable solutions to a licensed disposal company.  
Waste must be classified and labelled prior to recycling or disposal.  
Send to a licensed waste management company.  
Dispose of as hazardous waste in compliance with local and national regulations.  
Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

---

## SECTION 14. TRANSPORT INFORMATION

### **International Regulations**

#### **IATA-DGR**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

#### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

### **National Regulations**

#### **49 CFR**

Not regulated as a dangerous good

Not applicable for product as supplied.

---

## SECTION 15. REGULATORY INFORMATION

**The components of this product are reported in the following inventories:**

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND™/MC CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

### TSCA

All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

#### Labeling requirements under FIFRA

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.

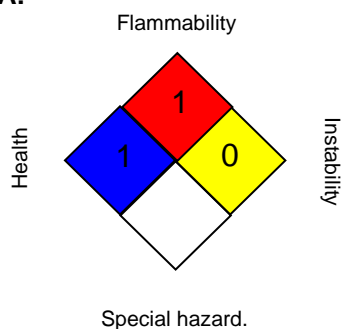
The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

NO Hazard statement have been added to the label.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS III:

HEALTH	3*
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

For Copy of SDS

: United States, telephone: 1-800-268-5850; fax: 1-800-201-6285

For Product Safety Information: 1 905-491-0565

Prepared by

: Product Safety: +1 905-491-0565

Revision Date

: 2018/03/05

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

# SAFETY DATA SHEET

## CIVITAS WEEDfree BRAND <sup>TM/MC</sup> CONCENTRATE

000003003009

Version 2.0

Revision Date 2018/03/05

Print Date 2018/04/24

---

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.