SECTION 1. IDENTIFICATION

Product name: CIVITAS HARMONIZER™/MC

Product code: HARMON, HARMONCDY, HARMACDY

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

Emergency telephone number
Suncor Energy: +1 403-296-3000;
Poison Control Centre: Consult local telephone directory for emergency number(s).

Recommended use of the chemical and restrictions on use
Recommended use: Turf colorant. To be used only in conjunction with Petro-Canada's Civitas™ for turf application

Prepared by: Product Safety: +1 905-804-4752

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

<table>
<thead>
<tr>
<th>Appearance</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>green</td>
</tr>
<tr>
<td>Odour</td>
<td>None.</td>
</tr>
<tr>
<td>Hazard Summary</td>
<td>Irritating to eyes and skin.</td>
</tr>
</tbody>
</table>

Potential Health Effects

Primary Routes of Entry: Eye contact
Ingestion
Inhalation
Skin contact

Aggravated Medical Condition: None known.

Other hazards
None known.

IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phthalo green pigment</td>
<td></td>
<td>40 - 41 %</td>
</tr>
<tr>
<td>Silicone copolymer</td>
<td></td>
<td>9 - 10 %</td>
</tr>
<tr>
<td>Ethoxylated alcohol</td>
<td></td>
<td>3 - 4 %</td>
</tr>
<tr>
<td>Polyarylphenol ethoxylate</td>
<td></td>
<td>2 - 3 %</td>
</tr>
</tbody>
</table>

w/w%. HMIRC Registry #: 8185 Claim Granted Date: May 30, 2012

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.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing : No information available.
media

Specific hazards during fire-fighting: Cool closed containers exposed to fire with water spray.

Hazardous combustion products: Carbon oxides (CO, CO₂), nitrogen oxides (NOₓ), halogenated compounds, metallic oxides, 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. Use only with adequate ventilation. 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 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 contaminated clothing before re-use.
No special protective equipment required.

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid

Colour: green

Odour: None.

Odour Threshold: No data available

pH: 7.0 - 9.0
Pour point : No data available
Boiling point/boiling range : No data available
Flash point : > 93.3 °C (199.9 °F)
                     Method: Cleveland open cup
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
Density : 1.198 kg/l (15 °C / 59 °F)
Solubility(ies)
Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Viscosity
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 reactions : Hazardous polymerisation does not occur. Stable under normal conditions.
Conditions to avoid : No data available
Incompatible materials : Reactive with oxidising agents.
Hazardous decomposition products : May release COx, NOx, halogenated compounds, metallic oxides, 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 : Remarks: No data available
- Acute inhalation toxicity : Remarks: No data available
- Acute dermal toxicity : Remarks: No data available

**Components:**
- **Ethoxylated alcohol:**
  - Acute oral toxicity : LD50 (Rat, female): 2.77 mg/kg.

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
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 Regulation**

**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**

**TDG**
Not regulated as a dangerous good
SECTION 15. REGULATORY INFORMATION

WHMIS Classification: D2B: Toxic Material Causing Other Toxic Effects

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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

- **DSL**: On the inventory, or in compliance with the inventory
- **TSCA**: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
- **EINECS**: On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

For Copy of (M)SDS:
- Western Canada, telephone: 1-800-661-1199; fax: 1-800-378-4518
- Ontario & Central Canada, telephone: 1-800-268-5850; fax: 1-800-201-6285
- Quebec & Eastern Canada, telephone: 1-800-576-1686; fax: 1-800-201-6285
- For Product Safety Information: 1 905-804-4752

Prepared by: Product Safety: +1 905-804-4752

Revision Date: 2016/02/08

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 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.