



**MATERIAL SAFETY DATA SHEET**  
**720-016 / 720-01 / 720-05 / 720-55**

Canutec 1-613-996-6666 (24 hours)

**1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

Product identification : 720-016 / 720-01 / 720-05 / 720-55  
Product name : Green Stuff  
Chemical family : Mixture  
Supplier / Manufacturer : Auto-Chem Inc.  
33 de Lyon  
Repentigny, QC, Canada  
J5Z 4Z3  
Tel : 450-654-9292  
Fax : 450-654-0633  
www.autochem.com  
Contact : Jean Dagenais

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Ingredient</u>	<u>CAS</u>	<u>Percentage</u>	<u>Exposure limits</u>
Isoparaffinic hydrocarbon	64742-47-8	60 - 100	LD50 > 5000mg, rat, oral LD50 > 3000mg, lapin, dermal
D-Limonène	5989-27-5	10 – 30	LD50 4400mg, rat, oral LD50 > 5000mg, lapin, dermal

**3. HAZARDS IDENTIFICATION**

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects :

Eye contact : Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of the eyes. May cause blurred vision.

Skin contact : Can cause a skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of the skin, burns and other skin damages. Additional symptoms may include skin blistering.

Inhalation : Breathing of vapour or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Ingestion : Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Potential chronic health effects :

Repeated exposure : Chronic abuse of similar substances has been associated with cardiac arrhythmia and cardiac arrest. Repeated exposure can affect the central nervous system. Prolonged contact with the skin can cause dryness and defatting of the skin, irritation and dermatitis.

#### 4. FIRST AID MEASURES

- Eyes : Rinse immediately with water or a saline solution for 15 to 20 minutes, lifting upper and lower eyelids. Remove contact lenses. Obtain medical attention immediately.
- Skin : In case of direct contact, rinse with running water 15 to 20 minutes. Remove contaminated clothing and wash with soap and water. Consult a physician if symptoms appear or irritation persists.
- Inhalation : Remove person to fresh air. In case of respiratory failure, give artificial respiration. In case of respiratory distress, obtain medical attention.
- Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. In case of respiratory or cardiac arrest, start cardio-pulmonary resuscitation and obtain medical attention.
- Note to physician: Potential for chemical pneumonia. Gastric lavage with intubation to protect airways can be considered if ingested. Cardiac arrhythmia has been observed when exposed to solvent.

#### 5. FIRE FIGHTING MEASURES

- Flash point : 43 C  
Auto-ignition temperature : > 200C  
Flammability limits – air (%) : LEL: 0.6 UEL: 4.9  
Extinguishing media : Foam, water spray or fog, dry chemical powder, carbon dioxide, sand.
- Protective equipment : Firefighters must wear adequate protective equipment and NIOSH/MSHA approved autonomous respiratory masks.
- Hazardous combustion materials : Carbon oxides.
- Recommendations: Move containers away from the fire area if there are no risks. Do not disperse with high pressure hoses. Dam water run-off. Cool containers with water.
- Special recommendation: Vapour forms a flammable / explosive mixture with air between upper and lower flammable limits. Vapours may travel long ground and flashback along vapour trail may occur. Fight fire from maximum distance.

#### 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protection equipment. Restrain access to the spill zone to qualified personnel. Insure adequate ventilation. Do not touch spilled product. Prevent spilled product from entering sewers or waterways. Stop or diminish leak if safe.

Small spill : Flammable liquid. Remove all sources of ignition. Isolate spill and stop the leak if safe. Work upwind of the spill. Avoid direct contact with the product. Contaminated clothing must be removed immediately to prevent risks of catching fire. Wear appropriate breathing apparatus and protective equipment. Dike to control land spills. Water spills can be contained by booming. Use water fog to knock down vapours. Contain ruff-off.

Large spill : Flammable liquid. Remove all sources of ignition. Prevent product from entering sewers or waterways. Isolate spill and stop the leak if safe. Work upwind of the spill. Avoid direct contact with the product. Contaminated clothing must be removed

immediately to prevent risks of catching fire. Wear appropriate breathing apparatus and protective equipment. Dike to control land spills. Water spills can be contained by booming. Use water fog to knock down vapours. Contain ruff-off.

## 7. HANDLING AND STORAGE

Handling : Flammable liquid. Do not cut, drill, sand, weld or any similar operation on or near the containers. Fixed and transfer equipment must be grounded to prevent accumulation of static charges. Hot surfaces can ignite liquid in the absence of sparks or flames. Shut down pilot lights, cigarettes and all other sources of ignition before use and until all vapours are dissipated. Do not pressurize containers to empty them. Avoid breathing vapours and prolonged or repeated contact with skin. Was contaminated clothing before reuse. Maintain good personal hygiene. Air-dry contaminated clothing before washing.

Storage : Store in a cool and well ventilated area, away from heat and ignition sources. Use explosion-proof ventilation to control vapour accumulation.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls : Mechanical ventilation is recommended at all times to control vapour emissions. Electrical and mechanical equipment must be explosion proof. For personnel entering enclosed areas, an adequate procedure must be followed, including ventilation and testing of the container atmosphere.

### Personal protection equipment for routine handling :

Eye : Safety goggles and/or face mask to protect eyes and face if the product is handled with risks of splashing.

Skin : In restricted areas or when risk of skin contact is present, wear chemical resistant clothing.

Gloves : Chemical resistant gloves.

Inhalation : If exposure is above allowed limits, use a NIOSH approved mask. Use a NIOSH approved mask with organic vapour cartridges or a positive pressure NIOSH approved mask.

### Personal protection equipment for spills :

Eye : Safety goggles and/or face mask to protect eyes and face.

Skin : Wear chemical resistant clothing.

Gloves : Chemical resistant gloves.

Inhalation : Use a NIOSH approved mask with organic vapour cartridges or a positive pressure NIOSH approved mask.

Note : These precautions are for room temperature handling. Use at elevated temperatures of aerosol spray applications may require added protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Transparent liquid.

Colour : Colourless.

Odour : Citrus.

pH @ 1% : 7.50.

Relative density (g/cm<sup>3</sup>) : 0.79 – 0.84

Vapour pressure : Not determined.

Volatiles (weight) : Not determined.

Solubility (water) : Not soluble.

VOC (%) : Not determined.

## 10. STABILITY AND REACTIVITY

Chemical stability : Stable.  
Hazardous polymerization : No.  
Conditions to avoid : Avoid excessive heat, naked flames and all sources of ignition.  
Materials to avoid : Strong acids, strong alkalis, strong oxidants.  
Dangerous decomposition products : Carbon monoxide, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

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Inhalation : Breathing of vapour or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Ingestion : Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

### Potential Chronic Health Effects

Carcinogenic effects: None known.

Mutagenic effects: None known.

Teratogenic effects: None known.

## 12. ECOLOGICAL INFORMATION

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Block off drains and ditches. Spill areas must be cleaned and restored to original condition or to the satisfaction of authorities. May be harmful to aquatic life.

## 13. DISPOSAL CONSIDERATIONS

Waste disposal method : Dispose according to municipal, provincial and federal regulations.  
Contaminated packaging : According to municipal, provincial and federal regulations.

## 14. TRANSPORT INFORMATION

Regulatory	Shipping name	UN	Class	PG
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Information

TDG Classification	Flammable liquid n.o.s. (Hydrocarbons)	1993	3	III
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**15. REGULATORY INFORMATION**

WHIMS : B3 Combustible liquid.  
D2B Material having other toxic effects.

DSL : All components of this product are either on the Domestic Substance List (DSL), the Non-Domestic Substance List (NDSL) or exempt.

TSCA : U.S. TSCA Inventory Status : All components of this product are either on the Toxic Substances Control Act Inventory List or exempt.

**16. OTHER INFORMATION**

Prepared by : Auto-Chem Inc.

Date : Sept. 2015

Notice to reader : All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Auto-Chem makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Auto-Chem's control and therefore users are responsible to verify this data under their own operation conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.