

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION

Nypower Industries Ltd.  
111 Fisher Street  
Okotoks, AB. T1S 1A8

Phone: 403-995-2588  
In Case of Emergency: 403-998-7297

**Product name:** Simple Orange  
**Other Name:**  
**Distributed by:**  
**Product Use:** All Purpose Cleaner/Degreaser  
**Date Completed:** January, 2015

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%W/W	CAS Number
Ethylene Glycol Monobutyl Ether	5-10	11-76-2
Potassium Hydroxide	8-15	1310-58-3
D'Limonene	1-10	5989-27-5
Sodium EDTA	1-10	64-02-8

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### 3. HAZARDS IDENTIFICATION

Eye, Skin, and Inhalation irritant. Harmful if swallowed

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### 4. FIRST AID MEASURES

**Ingestion:** Do Not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If conscious rinse mouth with water. Drink large quantities of water or milk.

**Eye contact:** Flush with water for 15 minutes, lifting eyelids. Get medical attention.

**Skin contact:** Remove clothing and footwear. Flush skin thoroughly with water for at least 15 minutes.

**Inhalation:** Move victim to fresh air.  
**In all cases:** If symptoms persist seek medical attention

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### 5. FIRE - FIGHTING MEASURES

**Flash point (test method):** Not applicable

**Flammable limits:** Non-flammable

**Lower:** Not applicable

**Upper:** Not applicable

**Fire extinguishing substances:** Use media appropriate for surrounding fire

**Autoignition temperatures:** Not available

**Hazardous combustion products:** Not available

**Explosion data:**

**Sensitivity to mechanical impact:** Not applicable

**Sensitivity to static discharge:** Not applicable

**Special firefighting procedures:** Fire fighters should wear full protective clothing, including self-contained breathing equipment

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear appropriate protective equipment  
**Environmental precautions:** Prevent from entering sewers, waterways or low areas  
**Methods for cleaning up:** Dike and contain. Collect and reuse if possible. Absorb with Inert material and place in waste containers. Do not allow runoff into public waterways. Avoid direct contact with material

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## 7. HANDLING AND STORAGE

**Handling:** Close container when not in use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. Wash thoroughly after handling  
**Storage:** Store in a cool dry area. Keep out of reach of children. Do not freeze

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** Use in ventilated area if possible  
**Respiratory protection:** If exposure exceeds occupational limits, use appropriate NIOSH Approved respirator  
**Eye protection:** Chemical goggles. Wear a face shield if splashing hazards exists  
**Gloves:** Appropriate chemical resistant gloves should be worn.  
**Skin Protection:** Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.  
**Other protection:** Ensure that eyewash stations and safety showers are proximal to the work-station

### Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
Ethylene Glycol Monobutyl Ether	20 ppm		
Potassium Hydroxide	2 mg/m <sup>3</sup>		
D-Limonene	Not established		
Sodium EDTA	Not established		

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid	<b>Solubility in water:</b>	Complete
<b>Boiling point:</b>	106°C	<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available	<b>Evaporation rate:</b>	Not available
<b>Freezing point:</b>	-4°C	<b>Odour threshold:</b>	Not available
<b>Specific gravity:</b>	1.01	<b>pH:</b>	13.0
<b>Appearance &amp; odour:</b>	Orange/Citrus		

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## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions of instability:</b>	Product is stable
<b>Incompatibility:</b>	( ) Water (X) Oxidizers ( ) Acid ( ) Base ( ) Other
<b>Conditions of reactivity:</b>	Contact with strong oxidizers
<b>Hazardous decomposition products:</b>	Various hydrocarbons of incomplete combustion.

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## 11. TOXICOLGICAL PROPERTIES

### POTENTIAL ACUTE HEALTH EFFECTS

<b>Ingestion:</b>	Extremely corrosive to gastrointestinal tract. May cause nausea and possible mucosal injury.
<b>Eye contact:</b>	Direct contact may cause severe irritation, redness, burns and possible corneal injury.
<b>Skin Contact:</b>	May cause irritation, redness. Butyl may be absorbed through skin with prolonged or repeated contact.

### POTENTIAL CHRONIC HEALTH EFFECTS:

<b>Inhalation:</b>	Not available	
<b>Ingestion:</b>	Not available	
<b>Eye contact:</b>	Not available	
<b>Skin contact:</b>	Not available	
<b>Skin absorption:</b>	Not available	
<b>Irritancy of product:</b>	See WHMIS criteria	
<b>Sensitization of product:</b>	No evidence	
<b>Carcinogenicity:</b>	No evidence	<b>Reproductive</b>
<b>toxicity:</b>	No evidence	
<b>Mutagenicity:</b>	No evidence	
<b>Synergistic product:</b>	Not available	

HAZARDOUS INGREDIENTS	CAS NO.	TOXICITY DATA
Ethylene Glycol Monobutyl Ether	111-76-2	LD <sub>50</sub> Oral (Mouse) 1230 mg/kg LD <sub>50</sub> Oral (Rat) 917 mg/kg LD <sub>50</sub> Oral (Guinea pig) 1200 mg/kg LD <sub>50</sub> Oral (Rabbit) 320 mg/kg LD <sub>50</sub> Dermal (Rabbit) 320 mg/kg LC <sub>50</sub> Inhalation (Rat) 450 ppm/4H LC <sub>50</sub> Inhalation (Mouse) 700ppm/7H
Potassium hydroxide	1310-58-3	LD <sub>50</sub> Oral (Rat) 3100 mg/kg
D-Limonene	5989-27-5	LD <sub>50</sub> Oral (Rat) 4400 mg/kg LD <sub>50</sub> Dermal (Rabbit) 2000 mg/kg
Sodium EDTA	64-02-8	Intraperitoneal (Mouse) 330 mg/kg

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicological information:</b>	Not available
<b>Other information:</b>	No additional remark

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### 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Dispose of in a manner approved by local, provincial and federal regulations

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### 14. TRANSPORT INFORMATION

**TDG classification:** None

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### 15. REGULATORY INFORMATION

**WHMIS:** D2B, E

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

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### 16. PREPARATION INFORMATION

**Prepared by:** Nypower Industries Ltd., Ph: (403) 995-2588

**Disclaimer:**

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.