



# Safety Data Sheet

## Plus 40

### SECTION 1. IDENTIFICATION

**Product Identifier** Plus 40  
**Other Means of Identification** Code No. 344  
**Recommended Use** Glass Cleaner Concentrate.  
**Restrictions on Use** Use only as directed according to label instructions.  
**Manufacturer** Leysons Products, a division of 1787528 Ontario Inc., 1366 Sandhill Drive, Ancaster, Ontario, L9G 4V5, (905) 648-7832  
**Emergency Phone No.** CANUTECH, 613-996-6666, 24-hr for Emergencies involving Dangerous Goods  
**SDS No.** 0247

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Flammable liquid - Category 3; Skin irritation - Category 2; Serious eye damage - Category 1

#### Label Elements



Danger  
Flammable liquid and vapour.  
Corrosive  
Causes severe eye damage and skin irritation or burns.  
Harmful if swallowed.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                           | CAS No.  | %       | Other Identifiers | Other Names |
|---|----------|---------|-------------------|-------------|
| Isopropyl Alcohol                       | 67-63-0  | 30-60   |                   |             |
| 2-Butoxyethanol                         | 111-76-2 | 5-10    |                   |             |
| Tetrasodium ethylenediaminetetraacetate | 64-02-8  | 0.5-1.5 |                   |             |

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

If irritation is experienced, remove person to fresh air.  
Get medical advice or attention if you feel unwell or are concerned.

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### **Skin Contact**

Avoid skin contact.

In case of contact, immediately flush skin with plenty of water.

Call a physician if irritation develops or persists.

### **Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.

Remove contact lenses, if present and easy to do.

If eye irritation persists, get medical advice or attention.

### **Ingestion**

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

Immediately call a Poison Centre or doctor.

### **Most Important Symptoms and Effects, Acute and Delayed**

Harmful if swallowed.

May cause skin irritation on prolonged contact.

May cause severe eye irritation or burns.

### **Immediate Medical Attention and Special Treatment**

#### **Target Organs**

Eyes, skin, respiratory system.

#### **Medical Conditions Aggravated by Exposure**

Asthma, skin allergies.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Product**

If involved in a fire, it may generate oxides of carbon, nitrogen or ammonia if heated above its boiling point.

### **Special Protective Equipment and Precautions for Fire-fighters**

Wear full fire fighting equipment and respirator.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Eliminate all ignition sources. Use grounded, explosion-proof equipment.

### **Environmental Precautions**

Do not allow into any sewer, on the ground or into any waterway.

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Minimize the use of water to prevent environmental contamination.

### **Methods and Materials for Containment and Cleaning Up**

Contain and/or absorb spill with commercial absorbents and then place into a suitable container for disposal.

## **SECTION 7. HANDLING AND STORAGE**

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## Precautions for Safe Handling

Do not get in eyes.

Avoid repeated or prolonged skin contact.

Do not breathe in this product.

Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs.

Keep containers tightly sealed when not in use.

## Conditions for Safe Storage

Store in a cool dry area away from incompatible materials.

Keep out of reach of children in a tightly closed container away from food, drink and animal feed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name                           | ACGIH TLV®      |         | OSHA PEL |         | AIHA WEEL |     |
|---|-----------------|---------|----------|---------|-----------|-----|
|   | TWA             | STEL    | TWA      | Ceiling | 8-hr TWA  | TWA |
| 2-Butoxyethanol                         | 20 ppm          |         | 25 ppm   |         |           |     |
| Tetrasodium ethylenediaminetetraacetate | Not established |         |          |         |           |     |
| Isopropyl Alcohol                       | 200 ppm         | 400 ppm |          |         |           |     |

### Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of vapour) below the recommended exposure limits.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Wear protective gloves and clothing to prevent skin contact.

#### Respiratory Protection

Use in well ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|   |  |
|---|--|
| Appearance                                  | Dark blue liquid.                            |
| pH  | ~ 12.5                                       |
| Melting Point/Freezing Point                | ~ 0 °C (32 °F) (freezing)                    |
| Flash Point                                 | 12 °C (54 °F)                                |
| Upper/Lower Flammability or Explosive Limit | Not available (upper); Not available (lower) |
| Vapour Pressure                             | Not available                                |
| Solubility                                  | Soluble in water                             |
| <b>Other Information</b>                    |  |
| Physical State                              | Liquid                                       |
| Bulk Density                                | ~ 0.93 kg/L                                  |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

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Normally stable.

#### **Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

#### **Conditions to Avoid**

High temperatures.

Freezing.

Incompatible materials.

#### **Incompatible Materials**

Strong acids (e.g. hydrochloric acid), strong oxidizing agents (e.g. perchloric acid), strong reducing agents (e.g. hydrides).

#### **Hazardous Decomposition Products**

May include but are not limited to oxides of carbon, nitrogen and ammonia.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Likely Routes of Exposure**

Inhalation.

Skin contact.

Skin absorption.

Eye contact.

Ingestion.

#### **Acute Toxicity**

| <b>Chemical Name</b>                    | <b>LC50</b>                       | <b>LD50 (oral)</b> | <b>LD50 (dermal)</b>     |
|---|-----------------------------------|--------------------|--------------------------|
| 2-Butoxyethanol                         | 450 ppm (rat) (4-hour exposure)   | 530 mg/kg (rat)    | 400-500 mg/kg (rabbit)   |
| Tetrasodium ethylenediaminetetraacetate | > 1000 mg/m3 (rat)                | > 4140 mg/kg (rat) | > 12800 mg/kg (rabbit)   |
| Isopropyl Alcohol                       | 16000 ppm (rat) (4-hour exposure) | 5045 mg/kg (rat)   | 5030-7900 mg/kg (rabbit) |

#### **Skin Corrosion/Irritation**

May cause irritation or symptoms such as redness, edema, drying, defatting or cracking of the skin.

#### **Serious Eye Damage/Irritation**

May cause severe irritation or burns.

#### **STOT (Specific Target Organ Toxicity) - Single Exposure**

##### **Inhalation**

May cause irritation of the respiratory system.

##### **Skin Absorption**

May cause irritation on prolonged contact.

##### **Ingestion**

May cause burns or irritation of the digestive system including nausea or vomiting.

Harmful if swallowed.

#### **Aspiration Hazard**

May be drawn into the lungs (aspirated) if swallowed or vomited.

#### **STOT (Specific Target Organ Toxicity) - Repeated Exposure**

No chronic effects are expected provided adequate person protection is taken during usage.

#### **Respiratory and/or Skin Sensitization**

Not expected to produce any respiratory system problems when used in a well ventilated area.

#### **Carcinogenicity**

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Not known to cause cancer.

#### Reproductive Toxicity

##### Development of Offspring

Not known to harm the unborn child.

##### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

##### Effects on or via Lactation

Not known to cause effects on or via lactation.

#### Germ Cell Mutagenicity

Not known to be a mutagen.

#### Interactive Effects

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

May cause long-term adverse effects in the aquatic environment.

#### Persistence and Degradability

May cause long-term adverse effects in the aquatic environment.

#### Bioaccumulative Potential

No information was located.

#### Mobility in Soil

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

Dispose of or recycle empty containers through an approved waste management facility.

## SECTION 14. TRANSPORT INFORMATION

| Regulation   | UN No. | Proper Shipping Name                          | Transport Hazard Class(es) | Packing Group |
|--------------|--------|---|----------------------------|---------------|
| Canadian TDG | 1219   | Flammable Liquids, N.O.S. (Isopropyl Alcohol) | 3                          | II            |

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

#### Safety, Health and Environmental Regulations

##### Canada

##### WHMIS 1988 Classification



Class B2



Class D2B



Class E

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B2 - Flammable Liquid; D2B - Toxic (Skin irritant; Eye irritant); E - Corrosive

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Mark Bryans

**Phone No.** (905) 648-7832 ext 351

**Date of Preparation** August 02, 2016

**Disclaimer** The user of this product assumes all risks incident to the use of this product.  
To the best of our knowledge, the information contained herein is accurate.  
However, the supplier assumes no liability whatsoever for the accuracy or completeness of the information contained herein.  
No representation of warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers.  
The data contained on this sheet apply to the products supplied to the user.

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