



## GAP PROFESSIONAL PRODUCTS

### Safety Data Sheet I.R.S. - Iron Remover Solution

#### SECTION 1: Identification

##### 1.1 Product identifier

Product name I.R.S. - Iron Remover Solution

Product number 5587

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

Non-acid wheel cleaner

##### 1.4 Supplier's details

Name GAP Professional Products  
Address 122 Route 105  
Keswick Ridge NB E6L 1B1  
Canada

Telephone (506) 363-9708  
Fax (506) 363-4241  
email info@gapauto.com

##### 1.5 Emergency phone number(s)

For Medical or Transport Emergencies/  
Pour les urgences médicales ou de transport  
CANUTEC (24 Hours/Heures)  
(613) 996-6666

#### SECTION 2: Hazard identification

##### General hazard statement

This mixture does not meet the criteria for classification.

##### 2.1 Classification of the substance or mixture

##### GHS classification in accordance with: WHMIS 2015

Not a hazardous substance or mixture.

**Safety Data Sheet**  
**I.R.S. - Iron Remover Solution**

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

Harmful to aquatic life with long lasting effects (GHS category 3: aquatic toxicity - acute and/or chronic).

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

This mixture contains no GHS classified materials above their cut-off values.

**Hazardous components**

Component	Concentration
Diethylene glycol butyl ether (CAS no.: 112-34-5; EC no.: 203-961-6; Index no.: 603-096-00-8) CLASSIFICATIONS: Serious eye damage/eye irritation, Cat. 2. HAZARDS: H319 - Causes serious eye irritation.	1 - < 3 % (weight)
Poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy- (CAS no.: 34398-01-1) CLASSIFICATIONS: No data available. HAZARDS: No data available.	1 - < 3 % (weight)

**Trade secret statement (OSHA 1910.1200(i))**

Exact percentage of ingredients is withheld as a trade secret.

**SECTION 4: First-aid measures**

**4.1 Description of necessary first-aid measures**

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician if symptoms occur.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses if easy to do. Get medical attention if symptoms occur.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**4.2 Most important symptoms/effects, acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

**4.3 Indication of immediate medical attention and special treatment needed, if necessary**

No data available.

**SECTION 5: Fire-fighting measures**

**5.1 Suitable extinguishing media**

## Safety Data Sheet

### I.R.S. - Iron Remover Solution

Water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO<sub>2</sub>)

#### 5.2 Specific hazards arising from the chemical

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

#### 5.3 Special protective actions for fire-fighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

#### Further information

Use water spray to cool unopened containers.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection if necessary. Avoid breathing gas, mist, vapors, spray. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

#### 6.2 Environmental precautions

Do not let concentrated product enter drains.

#### 6.3 Methods and materials for containment and cleaning up

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent.

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. Dispose in suitable waste container.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Put on appropriate personal equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials(see Section 10) and food and drink. Do not store under freezing conditions or above 49 C (120 F). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of reach from children.

#### Specific end use(s)

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

# Safety Data Sheet

## I.R.S. - Iron Remover Solution

### 1. 2-Butoxyethanol (CAS: 112-34-5 EC: 203-905-0)

DNEL (Inhalation): 67.5 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

DNEL (Inhalation): 67.5 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

DNEL (Inhalation): 101.2 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

DNEL (Dermal): 83 mg/kg  
bw/day (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Chemical splash goggles. Ensure that eyewash stations and/or safety showers are close to the workstation location if working with concentrated product.

#### Skin protection

Chemical-resistant gloves. Neoprene Nitrile

#### Respiratory protection

Recommended: Dust mask or Respirator should be worn if product is used in confined space or used for a prolonged period of time.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear Liquid
Odor	slightly sulfurous - Fruity
Odor threshold	N/D
pH	6-8
Melting point/freezing point	N/D
Initial boiling point and boiling range	100 °C
Flash point	N/D
Evaporation rate	N/D
Flammability (solid, gas)	N/A
Upper/lower flammability limits	LEL=N/D UEL=N/D
Upper/lower explosive limits	LEL=0.7% UEL=5.4%
Vapor pressure	31.69 hPa at 25 °C
Vapor density	N/D
Relative density	1.041 – 1.042 g/ml
Solubility(ies)	100% soluble
Partition coefficient: n-octanol/water	N/D
Auto-ignition temperature	210 °C
Decomposition temperature	N/D

**Safety Data Sheet**  
**I.R.S. - Iron Remover Solution**

Viscosity  
Explosive properties  
Oxidizing properties

Thin liquid  
None  
None

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

Contact with incompatible materials.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

Stable under normal use conditions.

**10.4 Conditions to avoid**

None under normal use conditions.

**10.5 Incompatible materials**

Do not store near acids, carbon dioxide (CO<sub>2</sub>), and strong oxidizers such as permanganate, chlorine, ectoderm.

2-Butoxyethanol: Strong oxidizing agents

Isopropanol: Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids

Ammonia: Oxidizing agents, Iron, Zinc, Copper, Silver/silver oxides, Cadmium/cadmium oxides, Alcohols, acids, Halogens, Aldehydes

-----

Diethylene glycol butyl ether: Strong oxidizing agents, Light metals

**10.6 Hazardous decomposition products**

After water evaporates, burning may produce oxides of carbon, traces of sulfur and nitrogen oxides and various hydrocarbons

2-Butoxyethanol: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

polyethylene glycol (5) undecyl ether

34398-01-1

oral 1,400 mg/kg

**Skin corrosion/irritation**

Shall not be classified as corrosive/irritant to skin.

**Serious eye damage/irritation**

**Safety Data Sheet**  
**I.R.S. - Iron Remover Solution**

Shall not be classified as seriously damaging to the eye or eye irritant.

**Respiratory or skin sensitization**

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

**Germ cell mutagenicity**

Shall not be classified as germ cell mutagenic. Shall not be classified as germ cell mutagenic.

**Carcinogenicity**

Carcinogenicity: Ingredients not listed by OSHA, NTP, IARC.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

Primary route of entry: A) Skin B) Inhalation

**STOT-repeated exposure**

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

**Aspiration hazard**

May be harmful if swallowed and enters airways.

**SECTION 12: Ecological information**

**Toxicity**

2-(2-butoxyethoxy)ethanol

112-34-5

LC50 1,300 mg/l fish 96 h

2-(2-butoxyethoxy)ethanol

112-34-5

EC50 >100 mg/l aquatic invertebrates 48 h

2-(2-butoxyethoxy)ethanol

112-34-5 ErC50 >100 mg/l algae 96 h

polyethylene glycol (5) undecyl ether

34398-01-1

EC50 >1 mg/l fish 48 h

**SECTION 13: Disposal considerations**

**Disposal of the product**

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Dispose of empty bottle in the trash or recycle where facilities exist.

**SECTION 14: Transport information**

14.1 UN Number

None

**Safety Data Sheet**  
**I.R.S. - Iron Remover Solution**

14.2	UN Proper Shipping Name	None
14.3	Transport hazard class(es)	None
14.4	Packing group	None
14.5	Environmental hazards	None
14.6	Special precautions for user	None
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	None

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations specific for the product in question**

Canadian Domestic Substances List (DSL)

Canadian Non-Domestic Substances List (NDSL)

**SECTION 16: Other information**

**16.1 Further information/disclaimer**

These SDS are written in an effort to provide information to the worker in the workplace and in such a way it can be understood. 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 suitability 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.

**16.2 Preparation information**

Prepared by Craig Gourley