



# MATERIAL SAFETY DATA SHEET

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Date Revised: 08/16/2006

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: **CITRAL-40 (DEGREASER)**

General or Generic ID: PROPRIETARY MIXTURE

Product Use: CITRUS DEGREASER

Prepared By: Safety Department

Emergency Telephone: (613) 992-4624

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	TLV	CAS Number	% (by weight)
D'Limonene	N/A	5989-27-5	10.0 – 3.0
Isopropanol	400 PPM	67-63-0	3.0 – 7.0
Isopropylamine Dodecylbenzene Sulfonate	N/A	28264-05-1	10.0 – 3.0

## 3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Can cause eye irritation. Symptoms include stinging, tearing and redness.

Skin

Can cause skin irritation. Can cause redness, inflammation, on prolonged contact.

Ingestion

Swallowing this material can be harmful. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain.

Inhalation

Prolonged or repeated contact can cause irritation. Mists may cause upper respiratory tract irritation.

## 4. FIRST AID MEASURES

Eyes

If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. Get medical attention.

Skin

In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

Swallowing

Seek immediate medical attention. **Do not induce vomiting.** Vomiting will cause further damage to the mouth and throat. If possible, do not leave individual unattended.

## Inhalation

Remove individual away from exposure and into fresh air. Seek immediate medical attention, keep person warm and quiet.

**5. FIRE FIGHTING MEASURES**

## Flash Point

No Data

## Explosive Limit

No Data

## Auto ignition Temperature

No Data

## Hazardous Products of Combustion

No Data

## Fire and Explosion Hazards

No Data

## Extinguishing Media

No Data

## Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with

appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

**6. ACCIDENTAL RELEASE MEASURES**

## Cleanup and disposal of Spills:

Absorb with an inert absorbent. Shovel up into an appropriate closed container. (See Section 7: Handling and storage).

**1. HANDLING AND STORAGE**

Do not handle unless the safety precautions have been read and understood. Avoid skin and eye contact. Keep containers tightly closed when not in use.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## Eye Protection

Chemical splash goggles and face shield (8" min.) in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist).

## Skin Protection

Wear impervious gloves (consult your safety equipment supplier). To prevent skin contact, wear impervious clothing and boots.

## Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), NIOSH/MSHA

approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators(negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

## Boiling Point

No Data

## Freezing Point

No Data

## Vapour Pressure

No Data

Vapour Density  
No Data  
Specific Vapour Density  
No Data  
Specific Gravity  
No Data  
Evaporation Rate  
No Data  
Solubility in Water  
Complete  
Appearance  
Liquid  
State  
Liquid  
Physical Form  
Homogenous Solution  
Colour  
Orange  
Odour  
Orange Citrus  
pH  
N/A

#### 10. STABILITY AND REACTIVITY

Hazardous Polymerization  
Product will not undergo hazardous polymerization.  
Hazardous Decomposition  
Smoke  
Oxides of carbon  
Chemical Stability  
Stable.  
Incompatibility  
Oxidizing Agent.

#### 11. TOXICOLOGICAL INFORMATION

LD 50 and LC 50 Data – **D’Limonene** (5989-27-5)  
Oral LD:50 (rat): > 5 G/KG  
Dermal LD:50 (rabbit): > G/KG  
Inhalation LC:50 (rat): N/A  
LD 50 and LC 50 Data – **Isopropanol** (67-63-0)  
Oral LD:50 (ORL-rat): 5045 MG/KG  
Dermal LD:50 (SKN-rabbit): 12800 MG/KG  
Inhalation LC:50 (rat): 160000 PPM/4H  
LD 50 and LC 50 Data – **Isopropylamine Dodecylbenzene** (28264-05-1)  
Oral LD:50 (ORL-rat): 1836 MG/KG  
Dermal LD:50 (SKN-rabbit): N/A  
Inhalation LC:50 (rat): N/A

#### 12. ECOLOGICAL INFORMATION

No data

**13. DISPOSAL CONSIDERATION**

Waste Management Information

Dispose of in accordance with Local, Provincial and Federal Regulations.

**14. TRANSPORT INFORMATION**

TDG Information

Description:

**Not Regulated**

**15. REGULATORY INFORMATION**

Canadian Regulations

CEPA/DSL (Domestic Substances List) Status

The intentional ingredients of this product are listed.

WHMIS (Workplace Hazardous Materials Information System) Classification

**CLASS D2B -Toxic Material**

**16. OTHER INFORMATION**

**The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.**