



# MATERIAL SAFETY DATA SHEET

## SECTION 1 — PRODUCT IDENTIFICATION

**Product identifier:** Superkleen® 580c Cleaning Fluid  
**Product Number:** 1222, 1223 & 1225  
**Product identifier:** Superkleen® Label & Adhesive Remover  
**Product Number:** 1027  
**Manufacturer's name and address:** Refer to supplier  
**Supplier name and address:**

### ***ALBATROSS USA INC./EXPERT WORLDWIDE***

36-41 36<sup>th</sup> Street  
Long Island City, New York  
United States  
11106  
718-392-6272

5439 San Fernando Road West  
Los Angeles, California  
United States  
90039  
818-543-5850

**Emergency Telephone #:** Chemtrec (Day or Night) 800-424-9300  
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

This MSDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

IMPORTANT: Read this MSDS before handling and disposing of this product. Pass this information on to employees, customer, and users of this product.

## SECTION 2 — COMPOSITION/INFORMATION OF INGREDIENTS

CONTAINS: 70-80% ISOPARAFFINIC HYDROCARBON (64742-48-9) {265-149-8}  
15-25% BUTOXYETHANOL (111-76-2) {203-905-0}  
0- 5 % D-LIMONENE (5989-27-5)

Number in parentheses is CAS #, number in brackets is European EC #.

## SECTION 3 — HAZARDS IDENTIFICATION

### RISK STATEMENTS:

|           |                                                     |
|-----------|-----------------------------------------------------|
| R22       | Harmful if swallowed.                               |
| R65       | Harmful: may cause lung damage if swallowed.        |
| R10a      | Combustible (North America). Flammable (elsewhere). |
| R36/37/38 | Irritating to eyes, respiratory system and skin.    |

### SAFETY STATEMENTS:

|        |                                                                                                               |
|--------|---------------------------------------------------------------------------------------------------------------|
| S45    | In case of accident, or if you feel unwell, seek medical advice immediately. (Show the label where possible). |
| S53    | Avoid exposure – obtain special instructions before use.                                                      |
| S24/25 | Avoid contact with skin and eyes.                                                                             |

## SECTION 4 — FIRST AID MEASURES

### INHALATION:

After high vapour exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. CALL A PHYSICIAN immediately!

### SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

### EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

### SWALLOWING:

If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down & keep warm. Vomiting may lead to pneumonitis, which may be fatal.

If

## SECTION 5 — FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA:

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class III-A liquid fires.

### SPECIAL FIRE FIGHTING PROCEDURES:

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

### UNUSUAL EXPLOSION AND FIRE PROCEDURES:

#### COMBUSTIBLE!

Keep container tightly closed.  
Isolate from oxidizers, heat, & open flame.  
Closed containers may explode if exposed to extreme heat.  
Applying to hot surfaces requires special precautions.  
Empty container very hazardous! Continue all label precautions!

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### CONTAINMENT TECHNIQUES:

Stop spill at source. Dike area & contain.

### CLEAN-UP PROCEDURES:

Clean up remainder with absorbent materials. Mop up & dispose of.

## SECTION 7 — HANDLING AND STORAGE

#### **HANDLING:**

Isolate from oxidizers, heat, & open flame. Use only with adequate ventilation. Avoid or repeated breathing of vapour or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, braze, or weld. Empty container very hazardous! Continue all label precautions!

#### **STORAGE:**

Store large amounts in structures made for OSHA Class II liquids. Keep container tightly closed & upright when not in use to prevent leakage.

### **SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **RESPIRATORY EXPOSURE CONTROLS:**

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

#### **VENTILATION:**

|                      |              |
|----------------------|--------------|
| LOCAL EXHAUST        | : Necessary  |
| MECHANICAL (GENERAL) | : Acceptable |
| SPECIAL              | : None       |
| OTHER                | : None       |

#### **PERSONAL PROTECTION:**

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

#### **WORK & HYGIENIC PRACTICES:**

Provide readily accessible eye wash stations & safety showers. Wash at end of each workshift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

### **SECTION 9 — PHYSICAL DATA**

#### **APPEARANCE:**

Liquid, Water-White

#### **ODOR:**

Lemon

#### **BOILING RANGE:**

177 195 201 C / 351 383 395 F

#### **AUTO IGNITION TEMPERATURE:**

260 C / 500 F (Lowest Component)

#### **LOWER FLAMMABLE LIMIT IN AIR (% by vol):**

0.9

#### **FLASH POINT (TEST METHOD):**

61 C / 142 F (TCC)

#### **FLAMMABILITY CLASSIFICATION:**

Class III-A

#### **GRAVITY @ 60 F:**

##### **API:**

46.4

##### **SPECIFIC GRAVITY (Water=1):**

0.795

##### **POUNDS/GALLON:**

6.624

#### **VOC'S (>0.44 Lbs/Sq In):**

0.0 Vol. % / 0.0 g/L / 0.000 Lbs/Gal

#### **TOTAL VOC'S (TVOC):**

100.0 Vol. % / 795.2 g/L / 6.623 Lbs/Gal

|                                                          |                                         |
|----------------------------------------------------------|-----------------------------------------|
| <b>NONEXEMPT VOC'S (CVOC):</b>                           | 98.0 Vol. % / 778.4 g/L / 6.483 Lbs/Gal |
| <b>HAZARDOUS AIR POLLUTANTS (HAPS):</b>                  | 20.4 Wt. % / 162.4 g/L / 1.352 Lbs/Gal  |
| <b>VAPOR PRESSURE (mm of Hg) @ 20 C:</b>                 | 0.8                                     |
| <b>NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C):</b> | 0.7                                     |
| <b>VAPOR DENSITY (air=1):</b>                            | 4.9                                     |
| <b>WATER ABSORPTION:</b>                                 | Appreciable                             |
| <b>REFRACTIVE INDEX:</b>                                 | 1.426                                   |
| <b>MIXED ANILINE POINT (Acid Insol):</b>                 | 75 C / 168 F                            |

## SECTION 10 — STABILITY & REACTIVITY

### STABILITY:

Stable under normal conditions.

### CONDITIONS TO AVOID:

Isolate from oxidizers, heat, & open flame.

### MATERIALS TO AVOID:

Isolate from strong oxidizers such as permanganates, chromates & peroxides.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide, Carbon Dioxide from burning.

### HAZARDOUS POLYMERIZATION:

Will not occur.

## SECTION 11 — TOXICOLOGICAL INFORMATION

| <b>MATERIAL</b>           | <b>CAS #</b> | <b>TWA (OSHA)</b> | <b>TLV (ACGIH)</b> | <b>HAP</b> |
|---------------------------|--------------|-------------------|--------------------|------------|
| Isoparaffinic Hydrocarbon | 64742-48-9   | 500 ppm           | 5mg/m <sup>3</sup> | No         |
| 2-Butoxyethanol           | 111-76-2     | 50 ppm S          | 20 ppm S           | No         |
| d-Limonene                | 5989-27-5    | None Known        | 50 ppm             | No         |

Each component showing "Yes" under "HAP" is an EPA Hazardous Air Pollutant

| <b>MATERIAL</b> | <b>CAS #</b> | <b>CEILING</b> | <b>STEL (OSHA/ACGIH)</b> |
|-----------------|--------------|----------------|--------------------------|
|                 |              | None Known     | None Known               |

### ACUTE HAZARDS

### EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.  
Absorption thru skin increases exposure.

Primary irritation to eyes, redness, tearing, blurred vision.  
Liquid can cause eye irritation. Wash thoroughly after handling.

### INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression.  
Vapor harmful. Breathing vapour can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

**SWALLOWING:**

Harmful or fatal if swallowed.  
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

**SUBCHRONIC HAZARDS/CONDITIONS AGGREGATED**

**CONDITIONS AGGREGATED:**

Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs.  
Persons with severe skin, liver or kidney problems should avoid use.

**CHRONIC HAZARDS**

**CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:**

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%. Absorption thru skin may be harmful.

**SECTION 12 — ECOLOGICAL INFORMATION**

**MAMMALIAN INFORMATION:**

| <b>MATERIAL</b>             | <b>CAS #</b> | <b>LOWEST KNOWN LETHAL DOSE DATE<br/>LOWEST KNOWN LD50 (ORAL)</b> |
|-----------------------------|--------------|-------------------------------------------------------------------|
| Ethylene Glycol Butyl Ether | 111-76-2     | 320.0 mg/kg (Rabbits)                                             |
|                             |              | <b>LOWEST KNOWN LC50 (VAPORS)</b>                                 |
| Ethylene Glycol Butyl Ether | 111-76-2     | 700 ppm (Mice)                                                    |
|                             |              | <b>LOWEST KNOWN LD50 (SKIN)</b>                                   |
| Ethylene Glycol Butyl Ether | 111-76-2     | 440.0 mg/kg (Rabbits)                                             |

**AQUATIC ANIMAL INFORMATION:**

The most sensitive known aquatic group to any component of this product is:  
Tidewater Silversides 1250 ppm or mg/L (96 hour exposure).  
Keep out of sewers and natural water supplies.

**MOBILITY:**

This material is a mobile liquid.

**DEGRADABILITY:**

This product is partially biodegradable.

**ACCUMULATION:**

This product does not accumulate or biomagnify in the environment.

## SECTION 13 — DISPOSAL CONSIDERATIONS

Recycle/dispose of observing national, regional, state, provincial and local health, safety & pollution laws.  
If questions exist, contact the appropriate agencies.

## SECTION 14 — TRANSPORT INFORMATION

**DOT SHIPPING NAME: BULK:** Combustible Liquid, n.o.s. NA1993, PG-III  
(Petroleum Distillates, 2-Butoxyethanol)

Combustible liquid. Not DOT regulated on trucks in containers of < 119 gallons.

**DRUM LABEL:** None (Combustible Liquid)

**IATA/ICAO:** None

**IMO/IMDG:** None

**EMERGENCY RESPONSE GUIDEBOOK NUMBER:** 128

## SECTION 15 — REGULATORY INFORMATION

### EPA REGULATION:

**SARA SECTION 311/312 HAZARDS:** Acute Health, Chronic Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

| SARA TITLE III INGREDIENTS | CAS #    | WT. %    | (REG. SECTION) | RQ (LBS) |
|----------------------------|----------|----------|----------------|----------|
| *2-Butoxyethanol           | 111-76-2 | 20 (313) |                | None     |

### STATE REGULATIONS:

**THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN  
CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS**

### INTERNATIONAL REGULATIONS:

The components of this product are listed on the chemical inventories of the following countries:  
Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

## SECTION 16 — OTHER INFORMATION

### HAZARD RATINGS

HEALTH (NFPA): 1,

HEALTH (HMIS): 1,

FLAMMABILITY: 2,

REACTIVITY: 0

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

### EMPLOYEE TRAINING:

Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

#### **NOTICE**

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore, users are responsible for verifying the data under their own operating 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. Users also assume all risks in regards to 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 process.