



MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION

Product identifier: Superkleen® 100

Product Number: 8101, 8105, & 8155

Chemical Family: Solvent

Date Prepared: 03/11/11

Manufacturer's name and address: Refer to supplier

Supplier name and address:

ALBATROSS USA INC./EXPERT WORLDWIDE

36-41 36th 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)

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 — HAZARDOUS IDENTIFICATION

DANGER !!!



RISK STATEMENTS:R12/13 Extremely Flammable! Serious electrostatic hazard!
R36/37/38 Irritating to eyes, respiratory system and skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term effects in the aquatic environment.
R18 In use, may form flammable/explosive vapour-air mixture.
R62 Possible risk of impaired fertility.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapors may cause drowsiness and dizziness.

SAFETY STATEMENTS:

S2 Keep out of the reach of children.
S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition. No smoking.
S23 Do not breathe gas, fumes, vapour, or spray.
S29 Do not empty into drains.
S33 Take precautionary measures against static discharges.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

| <u>MATERIAL</u> | <u>CAS#</u> | <u>EINECS#</u> | <u>WT %</u> |
|-------------------------|--------------------|-----------------------|--------------------|
| Light Aliphatic Naphtha | *64742-89-8 | - | 90-100 |
| Hexane, Mixed Isomers | 110-54-3 | 203-777-6 | 55-65 |
| n-Hexane | 110-54-3 | 203-777-6 | 20-30 |
| Cyclohexane | 110-82-7 | 203-806-2 | 0-10 |

SECTION 4 — FIRE AID MEASURES

EYE CONTACT

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

SKIN CONTACT

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

INHALATION

After high vapour exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).

SWALLOWING

Rinse mouth. Give a slurry of activated charcoal in water to drink. Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. Rest. Do NOT give liquids to an unconscious or convulsing person.

SECTION 5 — FIRE FIGHTING MEASURES

FIRE & EXPLOSION PREVENTIVE MEASURES

NO open flames, NO sparks, & NO smoking. Use a closed system, ventilation, explosion-proof electrical equipment, lighting. Do NOT use compressed air for filling, discharging, or handling.

EXTINGUISHING MEDIA

Use dry powder, AFFF, foam, carbon dioxide.

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

EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE

Isolate from oxidizers, heat, sparks, electric equipment & 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

PERSONAL PROTECTIVE MEASURES

EVACUATE DANGER AREA! Consult an expert!

Vapors may ignite explosively & spread long distances. Prevent vapour buildup. Keep unprotected personnel away. Ventilate spill area. Remove all ignition sources. Use self-contained breathing apparatus.

ENVIRONMENTAL PRECAUTIONS

Do NOT let this chemical enter the environment. Keep away from entering storm sewers and ditches which lead to waterways.

CONTAINMENT AND CLEAN-UP MEASURES

Stop spill at source. Dike and contain. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent. Remove to safe place.

SECTION 7 — HANDLING AND STORAGE

HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame. Use only with adequate ventilation. Avoid breathing of vapour or spray mist. Avoid contact with skin & eyes. 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, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions! To minimize static discharge when transferring, ensure electrical continuity by bonding and grounding all equipment. Use an inlet line diameter of at least 3.5 inches (8.9 centimeters) with a maximum flow rate of 1 meter/second.

STORAGE

Vapors may ignite explosively & spread long distances. Prevent vapour buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone. Keep in fireproof surroundings. Keep separated from strong oxidants. Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

| MATERIAL | CAS # | EINECS # | TWA(OSHA) | TLV(ACGIH) |
|-------------------------|-------------|-----------|-----------|------------|
| Light Aliphatic Naphtha | *64742-89-8 | - | 500 ppm | 400 ppm |
| Hexane, Mixed Isomers | 110-54-3 | 203-777-6 | 500 ppm | 500 ppm |
| n-Hexane | 110-54-3 | 203-777-6 | 500 ppm | 50 ppm |
| Cyclohexane | 110-82-7 | 203-806-2 | 50 ppm | 50 ppm |

| MATERIAL | CAS # | EINECS # | CEILING | STEL(OSHA/ACGIH) | HAP |
|-----------------------|----------|-----------|------------|------------------|-----|
| Hexane, Mixed Isomers | 110-54-3 | 203-777-6 | None Known | 1000 ppm | No |
| n-Hexane | 110-54-3 | 203-777-6 | None Known | None Known | Yes |

In addition, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%): Benzene

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 respirators use.

VENTILATION

LOCAL EXHAUST: Necessary
 SPECIAL: None
 MECHANICAL (GENERAL): Acceptable
 OTHER: None
 Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

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 work shift & 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 & CHEMICAL PROPERTIES

| | |
|--|--------------------------------------|
| APPEARANCE: | Liquid, Water-White |
| ODOR: | Mild |
| ODOR THRESHOLD: | Not Available |
| pH (Neutrality): | Not Applicable |
| MELTING POINT/FREEZING POINT: | Not Available |
| BOILING RANGE (IBP, 50%, Dry Point): | 64 68 97 C / 148 155 207 F |
| FLASH POINT (TEST METHOD): | -25 C / -13 F (TCC) |
| EVAPORATION RATE (n-BUTYL ACETATE=1): | 6.8 |
| FLAMMABILITY CLASSIFICATION: | Class I B |
| LOWER FLAMMABLE LIMIT IN AIR (% by vol): | 1.2 |
| UPPER FLAMMABLE LIMIT IN AIR (% by vol): | Not Available |
| VAPOR PRESSURE (mm of Hg) @20 C: | 145.9 |
| VAPOR DENSITY (air=1): | 3.0 |
| GRAVITY @ 68/68 F / 20/20 C: | |
| SPECIFIC GRAVITY (Water=1): | 0.688 |
| POUNDS/GALLON: | 5.731 |
| WATER SOLUBILITY: | Negligible |
| PARTITION COEFFICIENT (n-Octane/Water) : | Not Available |
| AUTO IGNITION TEMPERATURE : | 293 C / 560 F |
| DECOMPOSITION TEMPERATURE : | Not Available |
| REFRACTIVE INDEX : | 1.385 |
| MIXED ANILINE POINT (Acid Insol): | 67 C / 153 F |
| VOC'S (>0.44 Lbs/Sq In): | 94.3 Vol% / 648.9 g/L / 5.4 Lbs/Gal |
| TOTAL VOC'S (TVOC)*: | 100.0 Vol% / 688.0 g/L / 5.7 Lbs/Gal |
| NONEXEMPT VOC'S (CVOC)*: | 100.0 Vol% / 688.0 g/L / 5.7 Lbs/Gal |
| HAZARDOUS AIR POLLUTANTS (HAPS): | 26.8 Wt% / 184.1 g/L / 1.5 Lbs/Gal |
| NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C): | 145.9 |

* Using California South Coast Air Quality Management District (SCAQMD) Rule 443.1

SECTION 10 — STABILITY & REACTIVITY

STABILITY

Stable under normal conditions.

CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID

Reacts violently with strong oxidants, causing fire & explosion hazard. Attacks many plastics, rubber, coatings.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 11 — TOXICOLOGICAL INFORMATION**ACUTE HAZARDS****EYE & SKIN CONTACT**

Primary irritation to skin, defatting, dermatitis. 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.

SWALLOWING

Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea. The symptoms of chemical pneumonitis may not show up for a few days.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED**CONDITIONS AGGRAVATED**

Persons with severe skin, liver or kidney problems should avoid use.

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

n-Hexane may cause peripheral neuropathy. Leukemia has been reported in humans from Benzene. This product contains less than 99 ppm of Benzene. Not considered hazardous in such low concentrations. Absorption thru skin may be harmful.

MAMMALIAN TOXICITY INFORMATION

No information available.

SECTION 12 — ECOLOGICAL INFORMATION**AQUATIC ANIMAL INFORMATION**

No aquatic environmental information is available on this product. The substance is toxic to aquatic organisms. Bioaccumulation of this chemical may occur in aquatic animals.

MOBILITY IN SOIL

This material is a mobile liquid.

DEGRADABILITY

This product is nonbiodegradable.

ACCUMULATION

This product does not accumulate or biomagnify in the environment.

SECTION 13 — DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle/dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.

SECTION 14 — TRANSPORT INFORMATION



DOT SHIPPING NAME: UN1208, Hexanes, 3, PG-II
DRUM LABEL: (FLAMMABLE LIQUID)
IATA/ICAO: UN1208, Hexanes, 3, PG-II
IMO/IMDG : UN1208, Hexanes, 3, PG-II
EMERGENCY RESPONSE GUIDEBOOK NUMBER : 128

> 8006 LB / 3639 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF HEXANE.

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 and 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 # | EINECS # | WT% | (REG. SECTION) | RQ(LBS) |
|----------------------------|----------|-----------|-------|--------------------|---------|
| *n-Hexane | 110-54-3 | 203-777-6 | 20-30 | (311,312,313,RCRA) | 5000 |
| *Cyclohexane | 110-82-7 | 203-806-2 | 0-10 | (311,312,313) | None |

8006 LB / 3639 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF HEXANE.

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

STATE REGULATIONS

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

CALIFORNIA PROPOSITION 65

This product contains no chemicals known to the State of California to cause cancer & reproductive toxicity.

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL, NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

B2: Flammable Liquid

D2B: Irritating to skin/eyes

SECTION 16 — OTHER INFORMATION**HAZARD RATINGS**

HEALTH (NFPA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 3, REACTIVITY: 0
(Personal Protection Rating to be supplied by user based on use conditions.) This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) 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 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.

Unless updated, the Safety Data Sheet is valid until 03/11/2014.