





SAFETY DATA SHEET

1. Product and Company Identification			
PRODUCT NUMBER:	2960	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	KLEAR KUT	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Citrus Solvent and Degreasing Agent	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification						
GHS CLASSIFICATION: Skin Corrosion/Irritation: Category 2 Serious eye damage/eye irritation: Category 1 Skin Sensitization: Category 1 Chronic Aquatic Toxicity: Category 2 Physical Hazards - Flammable Liquids: Category 3	SIGNAL WORD: DANGER	SYMBOL:				
HAZARD STATEMENTS: H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H411 - Toxic to aquatic life with long lasting effects H226 - Flammable liquid and vapor						
PRECAUTIONARY STATEMENTS: Prevention: P280 - Wear eye protection/ face protection Response: P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER or doctor/physician						
CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC OR 1999/45/EC: Full text of R-phrases: see section 16						

3. Composition / Information on Ingredients						
Chemical Name	EC-No	CAS	Concentration % by Weight	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration No.
Citrus Terpenes	-	68647-72-3	60-95	-	-	No data available
Nonionic Surfactant	-	68131-39-5	5-40	-	-	No data available
Full text of R-phrases: See Section 16 Additional Information: Terpenes may appear as CAS# 94266-47-4						

4. First Aid Measures
EMERGENCY OVERVIEW EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. SKIN: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician. INGESTION: Call a physician or Poison Control Center immediately. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician. SELF-PROTECTION OF THE FIRST AIDER: Remove all sources of ignition. Use personal protective equipment as required. INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Notes to Physician: Treat symptomatically.

5. Fire-Fighting Measures
SUITABLE FIRE EXTINGUISHING MEDIA: Use CO ₂ , dry chemical or foam. UNSUITABLE FIRE EXTINGUISHING MEDIA: No information available. SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: May be ignited by heat, sparks or flames. SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. See Section 12 for additional Ecological information.

ENVIRONMENTAL PRECAUTIONS:

Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. Do not flush into surface water or sanitary sewer system.

7. Handling and Storage

SAFE HANDLING:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Do not breathe vapors or spray mist. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. When using, do not eat, drink or smoke.

SAFE STORAGE & INCOMPATIBILITIES:

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES:

Contains no substances with occupational exposure limit values.

EXPOSURE LIMITS:

Contains no substances with occupational exposure limit values.

DERIVED NO EFFECT LEVEL (DNEL):

No information available.

PREDICTED NO EFFECT CONCENTRATION (PNEC):

No information available.

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety glasses with side-shields. Goggles.

Skin/Hand Protection: Wear suitable protective clothing. Impervious gloves.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene Considerations: When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

APPROPRIATE ENGINEERING CONTROLS:

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

ENVIRONMENTAL EXPOSURE CONTROLS:

Do not allow material to contaminate ground water system.

9. Physical & Chemical Properties

Appearance:	Clear.	Flammability (solid/gas):	No data available.
Physical State:	Liquid.	Flammability Limit-lower (%):	No data available.
Color:	Colorless - light yellow.	Flammability Limit-upper (%):	No data available.
Odor:	Citrus.	Vapor Density:	No data available.
Bulk Density:	7.16-7.20 lbs/gal.	Vapor Pressure:	<2 mmHg @ 20°C
pH:	No data available.	Relative Density:	0.858-0.863 20°C
Freezing Point:	No data available.	Solubility (water):	Emulsifies.
Boiling Point/Range:	154-167°C/310-332°F	Solubility in Other Solvents:	No data available.
Explosive Properties:	No data available.	Auto-Ignition Temp:	No data available.
Oxidizing Properties:	No data available.	Decomposition Temp:	No data available.
Flash Point:	48.9°C/120°F	Partition Coeff (n-octanol/water):	No data available.
VOC Content:	No data available.	Kinematic Viscosity	No data available.
Evaporation Rate:	No data available.		

10. Stability & Reactivity Information

REACTIVITY:

No data available.

CHEMICAL STABILITY:

Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerization does not occur.

CONDITIONS TO AVOID:

Heat, flames and sparks.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents. Strong acids. Alkali metals.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon oxides.

11. Toxicological Information

PRIMARY ROUTE OF ENTRY:

Eyes: Avoid contact with eyes. Severely irritating to eyes.

Skin: May cause irritation. Prolonged skin contact may defat the skin and produce dermatitis. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Inhalation: Vapors may be irritating to eyes, nose, throat and lungs. Inhalation of vapors is irritating to the respiratory system, may cause throat pain and cough.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC TOXICITY:

No known carcinogens are present at greater than 0.1%

Components	Species	Test Results
Nonionic Surfactant		
Acute <i>Dermal</i> LD50	Rabbit	2500 mg/kg
<i>Oral</i> LD50	Rat	1600 mg/kg 2 g/kg

SENSITIZATION:

May cause sensitization of susceptible persons Resulting from improper storage and handling.

MUTAGENICITY EFFECTS:

No information available

CARCINOGENICITY:

No known carcinogens are present at greater than 0.1%.

REPRODUCTIVE TOXICITY:

No information available.

DEVELOPMENTAL TOXICITY:

No information available.

TERATOGENICITY:

No information available.

TARGET ORGAN EFFECTS:

No information available.

12. Ecological Information

ECOTOXICITY:

The environmental impact of this product has not been fully investigated.

PERSISTENCE AND DEGRADABILITY:

No information available.

BIOACCUMULATIVE POTENTIAL:

No information available.

MOBILITY IN SOIL:

No information available.

RESULTS OF PBT AND VPVB ASSESSMENT:

No information available.

13. Disposal Consideration

WASTE FROM RESIDUES/UNUSED PRODUCTS:

Dispose of in accordance with local regulations.

CONTAMINATED PACKAGING:

Do not re-use empty containers.

EWC WASTE DISPOSAL NO.

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. Transportation Information

Note: DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)".

DOT: UN Number: UN2319

UN Proper Shipping Name: Terpene hydrocarbons, n.o.s.

Transport Hazard Class(es):

Class: 3

Packing Group: PG III

Packaging Group: >119 gal

ICAO/IATA:UN Number: UN2319

UN Proper Shipping Name: Terpene hydrocarbons, n.o.s.

Transport Hazard Class(es):

Class: 3

Packing Group: PG III

ADR/RID:UN Number: UN2319

UN Proper Shipping Name: Terpene hydrocarbons, n.o.s.

Transport Hazard Class(es):

Class: 3

Packing Group: PG III

IMDG/IMO:UN Number: UN2319

UN Proper Shipping Name: Terpene hydrocarbons, n.o.s.

Transport Hazard Class(es):

Class: 3

Packing Group: PG III

15. Regulatory Information

US FEDERAL REGULATIONS:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

Immediate Hazard – Yes.

Delayed Hazard – No.

Fire Hazard – Yes.

Pressure Hazard – No.

Reactivity Hazard – No.

CWA (CLEAN WATER ACT):

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

CANADA:

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

Chemical Name:

Nonionic Surfactant

WHMIS Hazard Class:

D2B

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No.
Canada	Domestic Substances List (DSL)	Yes.
Canada	Non-Domestic Substances List (NDSL)	Yes.
China	Inventory of Existing Chemical Substances in China (IECSC)	No.
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes.
Europe	European List of Notified Chemical Substances (ELINCS)	Yes.
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No.
Korea	Existing Chemicals List (ECL)	No.
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No.
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes.

16. Other Information

Full text of R-phrases referred to under sections 2 and 3

R22 - Harmful if swallowed

Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H411 - Toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability 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 hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.