SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER: 2136

PRODUCT NAME: HANDI-GEL

PRODUCT DESCRIPTION: Antibacterial Hand Sanitizer and Waterless Hand Cleaner

COMPANY INFORMATION: **PRO CHEM, INC.**
1475 Bluegrass Lakes Parkway
Alpharetta, GA 30004

COMPANY PHONE: 1-800-241-8180

EMERGENCY TELEPHONE: 1-800-535-5053

INFOTRAC: 1-800-535-5053

2. Hazards Identification

GHS CLASSIFICATION:	SIGNAL WORD: WARNING	SYMBOL:		

HAZARD STATEMENTS:
H225: Highly flammable liquid and vapor Category 2

PRECAUTIONARY STATEMENTS:
Prevention: P210: Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233: Keep container tightly closed.
P242: Use only non-sparking tools.
P280: Wear protective gloves and eye protection.
Response: P303+361+353: In case of fire: Use Water Mist/Fog, Carbon Dioxide, Alcohol Resistant Foam and/or Dry Chemical to extinguish.
Storage: P403+P235: Store in a well-ventilated place. Keep cool.
Disposal: P501: Disposal of contents should be in accordance with all applicable Local, State and Federal regulations.

3. Composition / Information on Ingredients

Chemical Name	CAS	Weight (%):
SD Alcohol 40-B (Alcohol Denat.)	64-17-5	70%
Other Non-Hazardous Ingredients	N/A	30%

Comments: Hazardous ingredients are listed if they comprise 1.0% by weight. "Special Hazardous Substances or Carcinogens" are listed if they comprise 0.1% by weight.

4. First Aid Measures

EMERGENCY OVERVIEW
EYES: Rinse with water to remove. Remove contact lenses, if used. Flush immediately with plenty of water for 15 minutes. Get medical attention if needed.
SKIN: No first aid should be needed.
INHALATION: Remove person to fresh air. Increase ventilation. Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias.
INGESTION (oral): Do not induce vomiting. Rinse out mouth with water. Contact Poison Control Center. If possible do not leave individual unattended.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
Pre-existing skin disorders may be aggravated by long-term use.
Comments: Always consult a physician. Treat according to person's condition and specifics of exposure.

5. Fire-Fighting Measures

SPECIFIC HAZARDS ARISING FROM CHEMICAL:
Do not use near fire, flame, or sparks. Do not store at temperatures above 120°F. The container contains flammable ingredients. If container is broken, flammable liquid will be released. Never use welding or cutting torch on or near cans (even empty) because product (even just residue) can ignite explosively. During fire, irritating or toxic decomposition products may be generated.

EXTINGUISHING MEDIA:
Water Mist/Fog, Carbon Dioxide, Alcohol Resistant Foam and Dry Chemical.

FIRE FIGHTING PROCEDURES:
Self-containing breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Shut off all ignition sources. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as fog. Cool product containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors; keep upwind. As with any containerized chemicals, in the event of overheating or direct flame contact, evacuate the area to minimize hazard of potential explosion.

UNUSUAL FIRE HAZARDS:
Not expected.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon oxides and traces of incompletely burned carbon compounds may be present.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Avoid contact with eyes.

PROTECTIVE EQUIPMENT:

Refer to Section 8.

EMERGENCY PROCEDURE:

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

METHODS FOR CONTAINMENT & CLEANUP:

Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Flammable. Do not use near fire, flame, or sparks. Do not store at temperatures above 120°F. Keep out of reach of children. Keep container closed. Avoid contact with eyes. Provide sufficient ventilation and avoid prolonged skin contact. Do not place cans in trash compactor.

CONDITIONS FOR SAFE STORAGE:

Keep container closed and away from heat and flame sources. Since emptied containers retain product residues, all hazard precautions given in this SDS must be observed.

8. Exposure Controls / Personal Protection

COMPONENT NAME (CAS#)	ACGIH TLV	OSHA PEL	NIOSH IDLH
SD Alcohol 40-B (64-17-5)	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m3	TWA: 1000 ppm TWA: 1900 mg/m3

PERSONAL PROTECTION:

Eyes: Use proper protection.

Skin: Wear resistant gloves. To prevent repeated or prolonged skin contact wear impervious clothing and boots during handling of spills

Inhalation: Respirator is advised in the absence of proper ventilation.

Clothing: Use proper protection. Wear resistant gloves. To prevent repeated or prolonged skin contact wear impervious clothing and boots during handling of spills. Respirator is advised in the absence of proper ventilation. Impervious coverall or any protective suit is recommended.

ENGINEERING CONTROLS:

Eyewash Stations; Ventilation Systems; Showers

9. Physical & Chemical Properties

Physical State:	Slightly Hazy Gel.	**Melting/ Freezing Point:**	No data available.
Color:	Colorless.	**Boiling Point/ Range:**	No data available.
Odor:	Characteristic.	**Auto-ignition Temperature:**	No data available.
Odor Threshold:	No data available.	**Flash Point:**	Approximately 68°F (20°C)
pH:	Approximately 7.36	**Partition Coefficient (n-octanol/water):**	No data available.
Viscosity:	Approximately 24,000	**Vapor Pressure@ 25°C:**	No data available.
Specific Gravity:	Approximately 0.876	**Volatile Content:**	70%
Solubility in Water:	Partially soluble.		

10. Stability & Reactivity Information

REACTIVITY:

No dangerous reaction know under conditions of normal use.

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

Excessive heat, flames or sparks.

Flammable: Do not use near fire, flame, or sparks. Do not store at temperatures above 120°F. Keep out of reach of children.

INCOMPATIBLE MATERIALS:

Acidic or alkali, acetyl compounds, Calcium Hypochlorite, and Strong oxidizing substances

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon oxides and traces of incompletely burned carbon compounds may be present.

11. Toxicological Information

ROUTES OF ENTRY: Skin contact; eye contact; ingestion.

POTENTIAL HEALTH EFFECTS

ACUTE EFFECTS:

Eye: Direct contact may cause eye irritation, temporary redness, and discomfort.

Skin: No significant irritation expected.

Inhalation: No significant irritation expected from a single exposure. May be harmful if inhaled. May be corrosive to respiratory passages.

Oral: Small amounts transferred to the mouth by fingers during use, etc. is not likely to cause harmful effects. Swallowing large amounts may be harmful and cause burns of the mouth, throat and stomach, discomfort, nausea, vomiting and diarrhea.

PROLONGED/REPEATED EXPOSURE EFFECTS:

CHRONIC EXPOSURE:

For purposes of chronic exposure under the OSHA Hazard Communication Standard, these are untested mixtures. These products have been used extensively by consumers and no significant adverse effects have been noted when used normally.

TARGET ORGANS:

This product contains ethanol. Alcoholic beverage consumption has been associated with brain damage, heart damage, and pancreatitis in humans. The relevance of these findings to ethanol exposure in industrial environments is uncertain. Overexposure to ethanol has been suggested as a cause of the following effects in laboratory animals: Pancreatic damage, liver damage, brain damage, and testis damage. In humans overexposure has been suggested as a cause of the liver damage.

CARCINOGEN STATUS: OSHA: No NTP: No IARC: No

Skin: No evidence of harmful effects from available information.

Inhalation: No significant irritation expected from a single exposure. May be harmful if inhaled. May be corrosive to respiratory passages.

Oral: Small amounts transferred to the mouth by fingers during use, etc. is not likely to cause harmful effects. Swallowing large amounts may be harmful and cause burns of the mouth, throat and stomach, discomfort, nausea, vomiting and diarrhea.

ACUTE TOXICITY:

PRODUCT INFORMATION:

This product is safe for its intended use based on: formulation; bulk, finished product, and stability testing results; and a long history of safe consumer use.

CHRONIC TOXICITY:

No specific information is available.

TARGET ORGAN EFFECTS:

No specific information is available.

12. Ecological Information

ECOTOXICITY:

Will not bio-concentrate in aquatic media.

PERSISTENCE AND DEGRADABILITY:

No specific information is available.

BIOACCUMULATIVE POTENTIAL:

No specific information is available.

MOBILITY IN SOIL:

No specific information is available.

13. Disposal Consideration

WASTE DISPOSAL:

Disposal should be in accordance with all applicable Local, State and Federal regulations. Precautions to be taken in handling and storage. Do not discharge into waterways or sewer systems without proper state or local authorization.

CONTAINER DISPOSAL:

Dispose in a licensed facility. Additionally, disposal should be in accordance with all applicable Local, State and Federal regulations. Precautions to be taken in handling and storage. Flammable. Do not use near fire, flame, or sparks. Do not store at temperatures above 120°F.

OTHER: When product is properly discharged in low concentrations to biological wastewater treatment plants it should not cause any disturbances in the degradation activity of the activated sludge.

14. Transportation Information

49 CFR / DOT:

Shipping Description: UN1170, Ethanol Solution, 3, II

Air/ IATA:

Shipping Description: UN1170, Ethanol Solution, 3, II

Ocean/IMDG/IMO:

Shipping Description: UN1170, Ethanol Solution, 3, II

Canada / TDG:

Shipping Description: UN1170, Ethanol Solution, 3, II

15. Regulatory Information

TSCA: Exempt from TSCA chemical inventory listing requirements.

DSL/NDSL: Exempt from DSL/NDSL chemical inventory listing requirements.

16. Other Information

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.