



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2237	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	POWER POUCH DEGREASER	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Ready-To-Dilute, Portion Control Package Degreaser	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		



2. Hazards Identification

GHS CLASSIFICATION: Skin Irrit. 2 H315 Causes skin irritation. (As SOLD) Eye Irrit. 2A H319 Causes serious eye irritation. (As SOLD) Not classified at USE DILUTION	SIGNAL WORD: WARNING	SYMBOL:	
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Product as SOLD	Product AT USE DILUTION
<p>Classification according to Directive 67/548/EEC or Directive 1999/45/EC R36/38: Irritating to eyes and skin.</p> <p>Information concerning particular hazards for human and environment: The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.</p> <p>Classification System: The classification is according to the latest editions of the EU-lists and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists and is supplemented by information from technical literature and by information provided by the company.</p> <p>Labeling according to Regulation (EC) No 1272/2008: The product is classified and labeled according to the CLP regulation.</p> <p>Hazard Pictograms: </p> <p>Signal Word: WARNING</p> <p>HAZARD STATEMENTS: H315 Causes skin irritation. H319 Causes serious eye irritation.</p> <p>PRECAUTIONARY STATEMENTS P280 Wear protective gloves/eye protection. P264 Wash hands thoroughly after handling. P305+351+338+337+313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. P302+362+353+332+313: IF ON SKIN: Wash skin with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: get medical advice/attention.</p> <p>ADDITIONAL INFORMATION: Contains d-Limonene (citrus terpenes). May produce an allergic reaction.</p>	<p>Not classified.</p> <p>The mixture does not meet the criteria for classification.</p> <p>The mixture does not meet the criteria for classification. None.</p> <p>None Avoid contact with eyes.</p> <p>Keep out of reach of children. Wear protective eyewear if eye contact is possible.</p>

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS No	CONCENTRATION % BY Wt.	
Sodium Iminodisuccinate	144538-83-0	<10	Xn R21/22
alcohols, C9-11, ethoxylated	68439-46-3 (NLP: 500-446-0)	<5	Xi R36/38 Skin Irrit. 2, H315, Eye Irrit. 2A, H319
Dodecyl Benzyl Sulfonate	68081-81-2	<2	Xi R36/37 Eye Irrit. 2A, H319; Skin Irrit. 2, H315; Oral Tox. 4, H302
Ammonium lauryl sulfate	68081-96-9	<2	Xi R36/37/38 Eye Irrit. 2A, H319; Skin Irrit. 2, H315
sodium xylenesulphonate	1300-72-7 (EINECS: 215-090-9)	<2	Xi R36/37/38 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335

d-Limonene (citrus terpenes)	94266-47-4 (EC No 304-454-3)	<1	Xi R36/37/38; Xi R43; N R51 R10  Flam. Liq. 3, H226  Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317; STOT SE3, H335
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Additional information: For the wording of the listed risk phrases refer to Section 16.

4. First Aid Measures

	Product as SOLD	Product AT USE DILUTION
INHALATION:	Supply fresh air; consult doctor in case of complaints.	No special measures required. Treat symptomatically.
SKIN CONTACT:	Wash with water and rinse thoroughly. If skin irritation continues consult a doctor.	No known effect after skin contact. Rinse with water for a few minutes.
EYE CONTACT:	Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor.	No known effect after eye contact. Rinse with water for a few minutes. If irritation persists, get medical attention.
INGESTION:	Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.	Get medical attention if symptoms occur.
MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:	No further relevant information available	No known effects.
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:	If necessary oxygen respiration treatment. Medical supervision for at least 48 hours.	Treat symptomatically.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:	Treat for surrounding material. CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
UNSUITABLE FIRE EXTINGUISHING MEDIA:	None.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	Formation of toxic gases is possible during heating or in case of fire.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:	Wear self-contained respiratory protective device. Wear fully protective suit.
ADDITIONAL INFORMATION:	No unusual fire or explosion hazards noted. No further relevant information available.



6. Accidental Release Measures

	Product as SOLD	Product AT USE DILUTION
PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation	Use personal protective equipment as required.
ENVIRONMENTAL PRECAUTIONS:	Do not allow to enter sewers/ surface or ground water.	Avoid contact of large amounts of spilled material and run off with soil and surface waterways.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Ensure adequate ventilation.	Large Spills: Flush area with water. Prevent entry into waterways. Small Spills: Wipe up with absorbent material.
REFERENCE TO OTHER SECTIONS:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and Storage

	Product as SOLD	Product AT USE DILUTION
PRECAUTIONS FOR SAFE HANDLING:	Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.	Wash hands thoroughly after handling.
INFORMATION ABOUT FIRE - AND EXPLOSION PROTECTION:	Protect from heat.	No precautions necessary.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Keep out of reach of children.	Keep out of reach of children.
FURTHER INFORMATION ABOUT STORAGE CONDITIONS:	Store away from oxidizing agents. Store away from foodstuffs.	Store away from oxidizing agents. Store away from foodstuffs.
SPECIFIC END USES:	No further relevant information available.	No further relevant information available.

8. Exposure Controls / Personal Protection

Product as SOLD		Product AT USE DILUTION
CONTROL PARAMETERS		
Ingredients with limit values that require monitoring at the workplace:		
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.		
DNELs No further relevant information available.		
PNECs No further relevant information available.		
ADDITIONAL INFORMATION: The lists valid during the making were used as basis.		
EXPOSURE CONTROLS		
PERSONAL PROTECTIVE EQUIPMENT:		
GENERAL PROTECTIVE AND HYGIENIC MEASURES:		
	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
RESPIRATORY PROTECTION	Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. NIOSH approved organic vapor respirator equipped with a dust/mist pre-filter should be used.	Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. NIOSH approved organic vapor respirator equipped with a dust/mist pre-filter should be used.
SKIN PROTECTION:	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.	No protective equipment is needed under normal conditions.
 Material of gloves:	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.	No protective equipment is needed under normal conditions.
Penetration time of glove material:	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. For the permanent contact gloves made of the following materials are suitable: Rubber gloves.	No protective equipment is needed under normal conditions.
EYE PROTECTION:	Safety glasses.	No protective equipment is needed under normal conditions.
 BODY PROTECTION:	Not required under normal conditions of use. Protection may be required for spills.	No protective equipment is needed under normal conditions.
LIMITATION & SUPERVISION OF EXPOSURE INTO THE ENVIRONMENT:	No further relevant information available.	No further relevant information available.
RISK MANAGEMENT MEASURES:	See Section 7 for additional information. No further relevant information available.	See Section 7 for additional information. No further relevant information available.

9. Physical & Chemical Properties

	Product as SOLD	Product AT USE DILUTION
APPEARANCE:		
FORM:	Liquid.	Liquid.
COLOR:	Green	Light green or colorless
ODOR:	Citrus Terpene	Faint citrus terpene
ODOR THRESHOLD:	Not determined.	Not determined.
pH at 25°C:	9.5 ± 0.5	7.0-8.0
MELTING POINT/RANGE:	Undetermined.	Undetermined.
INITIAL BOILING POINT/RANGE:	212°F (100°C)	212°F (100°C)
FLASH POINT:	>210 °F / >98 °C	>210 °F / >98 °C
FLAMMABILITY (solid/gas):	Not applicable.	Not applicable.
IGNITION TEMPERATURE:	Not determined.	Not determined.
DECOMPOSITION TEMPERATURE:	Not determined.	Not determined.
SELF-IGNITING:	Product is not self-igniting.	Product is not self-igniting.
DANGER OF EXPLOSION:	Product does not present an explosion hazard.	Product does not present an explosion hazard.
EXPLOSION LIMITS:		
Lower:	Not determined.	Not determined.
Upper:	Not determined.	Not determined.
VAPOR PRESSURE @ 20°C:	23 hPa	Not determined.
DENSITY @ 20°C:	1.03 g/cm ³	Not determined.
RELATIVE DENSITY:	Not determined.	Not determined.
VAPOR DENSITY:	Not determined.	Not determined.

EVAPORATION RATE:	Not determined.	Not determined.
SOLUBILITY (water):	Fully miscible.	Complete
PARTITION COEFFICIENT (n-octanol/water):	Not determined.	Not determined.
DECOMPOSITION TEMPERATURE:	Not available.	Not available.
VISCOSITY:		
Dynamic:	100 mPas	
Kinematic:	Not determined.	Not determined.
OTHER INFORMATION:	No further relevant information available.	No further relevant information available.

10. Stability & Reactivity Information

PRODUCT AS SOLD

REACTIVITY:

Not determined.

POSSIBILITY OF HAZARDOUS REACTIONS:

Reacts with strong oxidizing agents. Toxic fumes may be released if heated above the decomposition point.

CHEMICAL STABILITY:

Thermal decomposition/conditions to be avoided: No decomposition if used and stored according to specifications.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

CONDITIONS TO AVOID:

No further relevant information available.

DECOMPOSITION PRODUCTS:

Possible in traces.

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

Sulphur oxides (SOx)

11. Toxicological Information

PRIMARY ROUTE OF ENTRY:	Product as SOLD	Product AT USE DILUTION
ACUTE TOXICITY:	>2,000 mg/kg	Nontoxic at USE DILUTION
PRIMARY IRRITANT EFFECT:		
SKIN CONTACT:	Irritant to skin and mucous membranes.	No adverse effects due to skin contact are expected.
EYE CONTACT:	Irritating effect.	Direct contact with eyes may cause temporary irritation.
SENSITIZATION:	No sensitizing effects known.	
TOXICOLOGICAL INFORMATION		
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:		
	Irritant At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.	Not classified No known significant effects or critical hazards.

12. Ecological Information

PRODUCT AS SOLD

ACUTE TOXICITY:

No further relevant information available.

PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

BIOACCUMULATIVE POTENTIAL:

No further relevant information available.

MOBILITY IN SOIL:

No further relevant information available.

GENERAL NOTES:

This statement was deduced from the properties of the single components. Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely. Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

OTHER ADVERSE EFFECTS:

No further relevant information available.

PBT: Not applicable.

vPvB: Not applicable.

13. Disposal Consideration

DISPOSAL INSTRUCTIONS:	Product as SOLD Smaller quantities can be disposed of with household waste. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.	Product AT USE DILUTION Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
CONTAMINATED PACKAGING:	Recommendation: Disposal must be made according to official regulations. Recommended cleansing agents: Water, if necessary together with cleansing agents.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14. Transportation Information

PRODUCT AS SOLD
UN-NUMBER
DOT, ADR, ADN, IMDG, IATA : N/A
UN PROPER SHIPPING NAME:
DOT, ADR, ADN, IMDG, IATA : Cleaning Compounds, NOI, liquid.
TRANSPORT HAZARD CLASS(es):
DOT, ADR, ADN, IMDG, IATA : N/A
PACKING GROUP:
DOT, ADR, ADN, IMDG, IATA : N/A
ENVIRONMENTAL HAZARDS:
Marine pollutant: No.
SPECIAL PRECAUTIONS FOR USER:
Not applicable.
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:
Not applicable.
UN "MODEL REGULATION":
Cleaning compounds, NOI, liquid.
PRODUCT AT USE DILUTION
Not intended for transport.

15. Regulatory Information

US FEDERAL REGULATIONS SARA

	Product as SOLD	Product AT USE DILUTION
Section 355 (extremely hazardous substances)	None of the ingredients is listed.	None of the ingredients is listed.
Section 313 (Specific toxic chemical listings):	None of the ingredients is listed.	None of the ingredients is listed.
TSCA (Toxic Substances Control Act):	All ingredients are listed.	All ingredients are listed.
Proposition 65 (California):		
Chemicals known to cause cancer:	None of the ingredients is listed.	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients is listed.	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients is listed.	None of the ingredients is listed.
Chemicals known to cause developmental toxicity:	64-17-5 ethanol	Not applicable.
Ethanol - listing refers specifically to alcoholic beverage consumption and is not applicable for product.		
CARCINOGENIC CATEGORIES		
EPA (Environmental Protection Agency)	None of the ingredients is listed.	None of the ingredients is listed.
IARC (International Agency for Research on Cancer)	None of the ingredients is listed.	None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients is listed.	None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients is listed.	None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration)	All ingredients are listed.	All ingredients are listed.
Canada		
Canadian Domestic Substances List (DSL)	All ingredients are listed.	All ingredients are listed.
Canadian Ingredient Disclosure list (limit 0.1%)	64-17-5 ethanol	Not applicable.
Canadian Ingredient Disclosure list (limit 1%)	None of the ingredients is listed.	None of the ingredients is listed.

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. Other Information

RELEVANT PHRASES:

H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H335 May cause respiratory irritation.
R10 Flammable.
R21/22 Harmful in contact with skin and if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R38 Irritating to skin.
R43 May cause sensitization by skin contact.
R51 Toxic to aquatic organisms.

EPA SAFER CHOICE RECOGNIZED:

Yes.

ABBREVIATIONS AND ACRONYMS:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

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.