




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2603	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	POWER CLEAN	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Aqueous Parts Cleaning Concentrate	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Eye Irritation: Category 2A Skin Irritation: Category 2	SIGNAL WORD: WARNING	SYMBOL:	
--	---------------------------------------	----------------	---

HAZARD STATEMENTS:

H319: Causes serious eye irritation.
H315: Causes skin irritation.

PRECAUTIONARY STATEMENTS:

Prevention: P264, P280: Wear protective gloves/eye protection/face protection. Wash hands and any affected exposed skin/clothing thoroughly after handling.

Response: P305 + P351 + P338, P332 + P313, P302 + P352, P362, P332 + P313, P321: IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. Specific Measures – see first aid instructions on the label.)

Disposal: P501: Dispose of contents/container in accordance with all local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

None known.

UNKNOWN ACUTE TOXICITY (GHS-US):

None of this product contains unknown acute toxicity.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT	CLASSIFICATION (GHS-US)
Alcohols, C9-11, ethoxylated	68439-46-3	5-7	H302: Harmful if swallowed H318: Causes serious eye damage
2-butoxyethanol; ethylene glycol monobutyl ether butyl cellosolve	111-76-2	20-25	H227: Combustible liquid. H302 + H312 + H332: Harmful if swallowed, in contact with skin, or if inhaled. H315: Causes skin irritation. H319: Causes serious eye irritation.

*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].
Mixture: Not applicable.
Full text of H-phrases: See Section 16.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

EYES: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

SKIN: Wash skin thoroughly with soap and water or use recognized skin cleanser. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INHALATION:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

INGESTION:

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick, as vomiting may be dangerous. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

General: See below.

Inhalation: May cause drowsiness and dizziness, nausea or vomiting, headache, drowsiness/fatigue.

Skin Contact: Causes skin irritation, redness.

Eye Contact: Pain or irritation, watering, redness.

Ingestion: Harmful if swallowed: nausea or vomiting.

Chronic Symptoms: No known significant effects or critical hazards.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

If you feel unwell, seek medical advice (show the label where possible).

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam for extinction.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

None noted.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Fire Hazard: During a fire, irritating or toxic decomposition products may be generated. Runoff to sewer may create fire or explosion hazard. Firewater contaminated with this material must be contained and prevented from being discharged to any waterway, sewer, or drain.

Explosion Hazard: Product is not an explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

SPECIFIC FIRE-FIGHTING METHODS:

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Do not enter fire area without proper protective equipment, including respiratory protection.

HAZARDOUS COMBUSTION PRODUCTS:

Under fire conditions, may produce fumes, smoke, oxides of carbon, and hydrocarbons.

REFERENCE TO OTHER SECTIONS:

Refer to Section 9 for flammability properties.

6. Accidental Release Measures

PERSON PRECAUTIONS:

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

ENVIRONMENTAL PRECAUTIONS:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers.

Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

REFERENCE TO OTHER SECTIONS:

See Section 8, Exposure Controls and Personal Protection. For further information, refer to Section 13.

7. Handling and Storage

SAFE HANDLING:

Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame, or any other ignition source. Empty containers retain product residue and can be hazardous. Do not reuse container.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and when leaving work.

SAFE STORAGE & INCOMPATIBILITIES:

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool, and well-ventilated place. Keep container tightly closed and sealed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures, incompatible materials, and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Do not store in unlabeled containers. Use proper containment to avoid environmental contamination.

Incompatible Materials: Strong oxidizing materials.

Specific End Use(s): Concentrated parts washer solution.

8. Exposure Controls/Personal Protection

CONTROL PARAMETERS:

For substances listed in Section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

2-butoxyethanol; ethylene glycol monobutyl ether butyl

ACGIH	TWA: 20 ppm
OSHA Z-1	TWA: 50 ppm TWA: 240 mg/m ³
NIOSH REL	TWA: 5 ppm TWA: 24 mg/m ³

PERSONAL PROTECTIVE EQUIPMENT: Protective goggles/Gloves.



EYE/FACE PROTECTION: Chemical goggles or safety glasses.

SKIN PROTECTION: Wear chemically resistant protective gloves. Practice safe glove removal to avoid skin contact with this product. Wear suitable protective clothing.

RESPIRATORY PROTECTION: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established occupational exposure limits.

ENVIRONMENTAL EXPOSURE CONTROLS:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable limits. Do not allow the product to be released into the environment.

CONSUMER EXPOSURE CONTROLS:

None needed.

ENGINEERING CONTROLS:

Ensure adequate ventilation, especially in confined areas. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure. The engineering controls also need to keep gas, vapor, or dust concentration below any lower explosive limits. Use explosion-proof ventilation equipment. Ensure all national/local regulations are observed.

9. Physical & Chemical Properties

Appearance:		Flammability(solid/gas):	Not available.
Physical State:	Liquid.	Flammability Limit-lower (%):	Not available.
Color:	Brown.	Flammability Limit-Upper (%):	Not available.
Odor:	Neutral.	Relative Density:	Not available.
Odor Threshold:	Not available.	Vapor Pressure:	Not available.
pH:	7.0	Relative Vapor Density @ 20°C:	Not available.
Melting/Freezing Point:	Not available.	Solubility (water):	Infinite.
Boiling Point:	210°F	Auto-Ignition Temperature:	Not available.
Viscosity:	Not available.	Decomposition Temperature:	Not available.
Flash Point:	Not available.	Viscosity (kinematic):	Not available.
Specific Gravity:	1.083	Partition Coeff (n-octanol/water):	Not available.
Evaporation Rate:	Not available.		

10. Stability & Reactivity Information

REACTIVITY:

No specific test data related to reactivity available for this product or its ingredients.

CHEMICAL STABILITY:

Stable under recommended handling and storage conditions (see Section 7).

POSSIBILITY OF HAZARDOUS REACTIONS:

Under normal condition of storage and use, hazardous reactions will not occur.

INCOMPATIBLE MATERIALS:

Strong oxidizing materials.

CONDITIONS TO AVOID:

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

ACUTE TOXICITY:

COMPONENTS	SPECIES	TEST RESULTS
Alcohols, C9-11, ethoxylated		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	> 1400 mg/kg
2-butoxyethanol; ethylene glycol monobutyl ether butyl		
Acute		
<i>Dermal</i>		
LD50	Rabbit	435 mg/kg
<i>Oral</i>		
LD50	Rat	1746 mg/kg

SKIN CORROSION/IRRITATION (Eye Damage/Irritation):

Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITIZATION:

Causes skin irritation.

GERM CELL MUTAGENICITY:

Not classified.

TERATOGENICITY:

Not classified.

CARCINOGENICITY:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure):

Not classified.

REPRODUCTIVE TOXICITY:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY (Single Exposure):

Not classified.

ASPIRATION HAZARD:

Not classified.

SYMPTOMS/INJURIES AFTER INHALATION:

May cause drowsiness and dizziness. Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo

SYMPTOMS/INJURIES AFTER SKIN CONTACT:

Repeated or prolonged skin contact may cause irritation. Adverse symptoms may include the following: irritation, redness

SYMPTOMS/INJURIES AFTER EYE CONTACT:

Direct contact with the eyes is likely irritating. Adverse symptoms may include the following: Can cause pain, watering, and redness.

SYMPTOMS/INJURIES AFTER INGESTION:

Adverse symptoms may include the following: nausea or vomiting.

CHRONIC SYMPTOMS:

Not classified.

INFORMATION ON TOXICOLOGICAL EFFECTS-INGREDIENTSs):

See 11.1.

12. Ecological Information

ECOTOXICITY:

CHEMICAL NAME	RESULT	SPECIES	EXPOSURE
2-butoxyethanol; ethylene glycol monobutyl ether butyl			
	Acute LC50 1550 mg/l	Daphnia	48 hours
	Acute EC50 1840 mg/l	Algae	72 hours
	Acute LC50 1474 mg/l	Fish	96 hours
	Chronic NOEC >100 mg/l	Fish	21 days

PERSISTENCE AND DEGRADABILITY:

Not classified.

BIOACCUMULATIVE POTENTIAL:

Not classified.

MOBILITY IN SOIL:

Not classified.

OTHER ADVERSE EFFECTS:

Avoid release to the environment.

13. Disposal Consideration

Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains. Do not dispose of waste into sewer. Dispose of waste material in accordance with all local, regional, national, provincial, territorial, and international regulations.

14. Transportation Information

Not regulated for transport.

Special Precautions to the user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. Regulatory Information

US FEDERAL REGULATIONS:

SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard.

SARA Section 313 Form R Reporting: 111-76-2 40 – 50%

US STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product does not contain any chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

CANADIAN REGULATIONS:

This material is listed or exempted.

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

16. Other Information

GHS Full Text Phrases:

H332: Harmful if inhaled

H302: Harmful if swallowed

H302 + H312 + H332: Harmful if swallowed, in contact with skin or if inhaled

H318: Causes serious eye damage

H227: Combustible Liquid

H319: Causes eye irritation

H315: Causes skin irritation

P280: Wear protective gloves / eye protection

P264: Wash hands and any affected exposed skin/ clothing thoroughly after handling.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue Rinsing.

P337 + P313: If eye irritation persists: Get medical advice/ attention.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P332 + P313: If skin irritation occurs: Get medical advice/ attention.
P310: Immediately call a POISON CENTER
P321: Specific Measures (see supplemental first aid instructions on this label.)
P501: Dispose of contents/container in accordance with all local/regional/ national/ international regulations.

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.