





# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2234	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	CLEAN & SHINE	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	One-Step Premoistened Stainless Steel Wipes	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Flam. Liq. 4 H227 Skin Sens. 1 H317 Asp. Tox. 1 H304	<b>SIGNAL WORD:</b> DANGER	<b>SYMBOL:</b>		
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### HAZARD STATEMENTS:

Combustible liquid May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

### PRECAUTIONARY STATEMENTS:

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust, fume. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection, protective gloves.

**Response:** IF SWALLOWED: Immediately call a POISON CENTER. IF ON SKIN: Wash with plenty of water. Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use Water spray, extinguishing powder, foam to extinguish.

**Storage:** Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal:** Dispose of contents/container to comply with local/regional/national/international regulations.

### OTHER HAZARDS:

No additional information available.

### UNKNOWN ACUTE TOXICITY (GHS US):

Not applicable.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	% BY WEIGHT	CLASSIFICATION (GHS-US)
distillates, hydrotreated light	64742-47-8	45-60	Flam. Liq. 4, H227 Asp. Tox. 1, H304
white mineral oil (petroleum)	8042-47-5	15-40	Asp. Tox. 1, H304
d-Limonene (Solvent)	5989-27-5	1-5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304

### Substances:

Not applicable.  
All hazardous chemicals, as determined by 29 CFR 1910.1200 have been listed. A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## 4. First Aid Measures

### DESCRIPTION OF FIRST AID MEASURES:

**First-aid measures general:** Call a physician immediately.

**First-aid measures after inhalation:** Remove person to fresh air and keep comfortable for breathing.

**First-aid measures after skin contact:** Wash skin with plenty of water. Take off contaminated clothing.

**If skin irritation or rash occurs:** Get medical advice/attention.

**First-aid measures after eye contact:** Rinse eyes with water as a precaution.

**First-aid measures after ingestion:** Do not induce vomiting. Call a physician immediately.

### MOST IMPORTANT SYMPTOMS AND EFFECTS (both acute and delayed):

**Symptoms/injuries after inhalation:** Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

**Symptoms/injuries after skin contact:** May cause an allergic skin reaction.

**Symptoms/injuries after eye contact:** None under normal conditions.

**Symptoms/injuries after ingestion:** Risk of lung edema.

### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Water spray. Dry powder. Foam. Carbon dioxide.

### UNSUITABLE FIRE EXTINGUISHING MEDIA:

Do not use a heavy water stream.

### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

**Fire Hazard:** Combustible liquid.

**Explosion Hazard:** No direct explosion hazard.  
**Reactivity: Upon Combustion:** CO and CO2 are formed.

**ADVICE FOR FIREFIGHTERS:**

**Firefighting Instructions:** Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

**Protection During Firefighting:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**6. Accidental Release Measures**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

**General Measures:** Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

**FOR NON-EMERGENCY PERSONNEL:**

**Protective Equipment:** Wear recommended personal protective equipment.

**Emergency Procedures:** Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

**FOR EMERGENCY RESPONDERS:**

**Protective Equipment:** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**Emergency Procedures:** Evacuate unnecessary personnel. Stop leak if safe to do so.

**ENVIRONMENTAL PRECAUTIONS:**

Avoid release to the environment.

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**

**For Containment:** Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

**Methods for Cleaning Up:** Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

**Other Information:** Dispose of materials or solid residues at an authorized site.

**REFERENCE TO OTHER SECTIONS:**

For further information refer to Section 13.

**7. Handling and Storage**

**PRECAUTIONS FOR SAFE HANDLING:**

Ensure good ventilation of the workstation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

**ADDITIONAL HAZARDS WHEN PROCESSED:**

Not expected to present a significant hazard under anticipated conditions of normal use.

**HYGIENE MEASURES:**

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

**Technical Measures:** Keep in a cool, well-ventilated place away from heat.

**Storage Conditions:** Store in a well-ventilated place. Keep cool. Store locked up.

**Information on Mixed Storage:** KEEP SUBSTANCE AWAY FROM: oxidizing agents.

**Packaging Materials:** Store always product in container of same material as original container.

**8. Exposure Controls / Personal Protection**

**CONTROL PARAMETERS:**

<b>D-limonene (5989-27-5)</b>		
Not applicable.		
<b>white mineral oil (petroleum) (8042-47-5)</b>		
ACGIH	ACGIH OEL TWA	5 mg/m <sup>3</sup>
<b>distillates, hydrotreated light (64742-47-8)</b>		
Not applicable.		

**APPROPRIATE ENGINEERING CONTROLS:**

Ensure good ventilation of the workstation.

**PERSONAL PROTECTIVE EQUIPMENT:**

Safety glasses. Gloves. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



**Hand Protection:** Protective gloves.

**Eye Protection:** Safety glasses.

**Skin & Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental Exposure Controls:** Avoid release to the environment.

9. Physical & Chemical Properties			
<b>Appearance:</b>	Premoistened wipe.	<b>Flammability(solid/gas):</b>	No data available.
<b>Physical State:</b>	Solid.	<b>Explosive Properties:</b>	No data available.
<b>Odor:</b>	Citrus scent.	<b>Explosive Limits:</b>	No data available.
<b>Odor Threshold:</b>	No data available.	<b>Oxidizing Properties:</b>	No data available.
<b>pH:</b>	No data available.	<b>Boiling Point:</b>	No data available.
<b>Melting Point:</b>	Not applicable.	<b>Vapor Pressure:</b>	No data available.
<b>Freezing Point:</b>	No data available.	<b>Relative Density:</b>	No data available.
<b>Viscosity:</b>	No data available.	<b>Relative Evaporation Rate (butyl acetate=1):</b>	No data available.
<b>VOC Content:</b>	<3 % - Tested using the liquid component of the towelette	<b>Density:</b>	0.81 g/ml Tested using the liquid component of the towelette
<b>Flash Point:</b>	197°F Closed cup - Tested using the liquid component of the towelette.	<b>Partition coefficient n-octanol/water (Log POW):</b>	No data available.
<b>Viscosity (kinematic):</b>	< 20 cSt - Tested using the liquid component of the towelette.	<b>Partition coefficient n-octanol/water (Low KOW):</b>	No data available.
<b>Viscosity (dynamic):</b>	No data available.	<b>Auto-Ignition Temperature:</b>	No data available.
<b>Relative Vapor Density @20°C:</b>	No data available.	<b>Decomposition Temperature:</b>	No data available.
<b>Solubility:</b>	Liquid component is not soluble in water.		

10. Stability & Reactivity Information	
<b>REACTIVITY:</b> Upon combustion: CO and CO <sub>2</sub> are formed.	
<b>CHEMICAL STABILITY:</b> No additional information available	
<b>POSSIBILITY OF HAZARDOUS REACTIONS:</b> Refer to Section 10 on Reactivity.	
<b>INCOMPATIBLE MATERIALS:</b> No additional information available.	
<b>CONDITIONS TO AVOID:</b> Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Under normal conditions of storage and use, hazardous decomposition products should not be produced.	

11. Toxicological Information	
<b>ACUTE TOXICITY:</b> Not classified.	
<b>D-limonene (5989-27-5)</b>	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal, 7 day(s))
<b>white mineral oil (petroleum) (8042-47-5)</b>	
LD50 oral rat	> 5000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Read-across, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))
LC50 Inhalation - Rat	>5 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (aerosol), 14 day(s))
<b>distillates, hydrotreated light (64742-47-8)</b>	
LD50 oral rat	> 15000 mg/kg Source: IUCLID
LD50 dermal rabbit	> 2000 mg/kg Source: IUCLID
LC50 Inhalation - Rat	> 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -
<b>SKIN CORROSION/IRRITATION:</b> Not classified.	
<b>SERIOUS EYE DAMAGE/IRRITATION:</b> Not classified.	
<b>RESPIRATORY OR SKIN SENSITIZATION:</b> May cause an allergic skin reaction.	
<b>GERM CELL MUTAGENICITY:</b> Not classified.	
<b>CARCINOGENICITY:</b> Not classified.	
<b>D-limonene (5989-27-5)</b>	
IARC group	3 - Not classifiable
<b>REPRODUCTIVE TOXICITY:</b> Not classified.	
<b>STOT-SINGLE EXPOSURE:</b> Not classified.	
<b>STOT-REPEATED EXPOSURE:</b> Not classified.	

<b>distillates, hydrotreated light (64742-47-8)</b>	
NOAEL (oral, rat, 90 days)	750 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 495 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

**ASPIRATION HAZARD:**

May be fatal if swallowed and enters airways.

**Symptoms/effects after inhalation:** Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

**Symptoms/effects after skin contact:** May cause an allergic skin reaction.

**Symptoms/effects after eye contact:** None under normal conditions.

**Symptoms/effects after ingestion:** Risk of lung edema.

**12. Ecological Information**

**ECOLOGY - GENERAL:**

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>D-limonene (5989-27-5)</b>	
LC50 - Fish [1]	720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1]	0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilization Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)
LC50 - Fish [2]	702 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [2]	0.51 mg/l Test organisms (species): Daphnia magna

<b>white mineral oil (petroleum) (8042-47-5)</b>	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)

<b>distillates, hydrotreated light (64742-47-8)</b>	
LC50 - Fish [1]	2.4 mg/l Source: ECOTOX

**PERSISTENCE AND DEGRADABILITY:**

<b>D-limonene (5989-27-5)</b>	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O <sub>2</sub> /g substance

<b>white mineral oil (petroleum) (8042-47-5)</b>	
Persistence and degradability	Not readily biodegradable in water

**BIOACCUMULATIVE POTENTIAL:**

<b>D-limonene (5989-27-5)</b>	
BCF - Fish [1]	864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).

<b>white mineral oil (petroleum) (8042-47-5)</b>	
BCF - Other aquatic organisms [1]	1216 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	5.2 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000)

<b>distillates, hydrotreated light (64742-47-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID

**13. Disposal Consideration**

**REGIONAL WASTE REGULATION:**

Disposal must be done according to official regulations.

**WASTE TREATMENT METHODS:**

Dispose of contents/container in accordance with licensed collector's sorting instructions.

**SEWAGE DISPOSAL RECOMMENDATIONS:**

Disposal must be done according to official regulations.

**PRODUCT/PACKAGING DISPOSAL RECOMMENDATIONS:**

Disposal must be done according to official regulations.

**ADDITIONAL INFORMATION:**

Do not re-use empty containers.

**14. Transportation Information**

**DEPARTMENT OF TRANSPORTATION (DOT):**

In accordance with DOT: Not regulated for transport.

**ADDITIONAL INFORMATION:**

**Other information:** This product is classified as a combustible liquid and is exempt from the U.S. DOT's Hazardous Materials Regulations when shipped in non-bulk packages. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names

and labeling may be required.

**ADR:** No additional information available.

**TRANSPORT BY SEA:**

No additional information available.

**AIR TRANSPORT:**

No additional information available

**15. Regulatory Information**

**US FEDERAL REGULATIONS:**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

**California Proposition 65** - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

**16. Other Information**

**TRAINING ADVICE:**

Normal use of this product shall imply use in accordance with the instructions on the packaging.

**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.