





# 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 Pre-Moistened 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> Skin Sens: Category 1 H317 Asp. Tox: Category 1 H304	<b>SIGNAL WORD:</b> DANGER	<b>SYMBOL:</b>		
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### HAZARD STATEMENTS:

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

### PRECAUTIONARY STATEMENTS:

#### Prevention:

Avoid breathing fume.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear eye protection, protective gloves.

#### Response:

IF SWALLOWED: Immediately call a doctor, 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.  
Take off contaminated clothing and wash it before reuse.

#### Storage:

Store locked up.

**Disposal:** Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national, and/or international regulation.

### HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

### UNKNOWN ACUTE TOXICITY (GHS US):

Not applicable.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	% BY WEIGHT	CLASSIFICATION (GHS-US)
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2%; aromatics	64742-47-8	30-60	Flam. Liq. 4, H227 Asp. Tox. 1, H304
white mineral oil (petroleum)	8042-47-5	15-40	Asp. Tox. 1, H304
(+)-limonene	5989-27-5	1-5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304

Full text of H-phrases: see section 16

## 4. First Aid Measures

### EMERGENCY OVERVIEW

#### GENERAL:

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

**EYES:** Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing.

**SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing, and wash it before reuse.

**INHALATION:** Remove the victim into fresh air.

**INGESTION:** Rinse mouth with water. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

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

**Symptoms/injuries:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Symptoms/injuries after inhalation:** None under normal use.

**Symptoms/injuries after skin contact:** May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

**Symptoms/injuries after eye contact:** Direct contact with the eyes is likely irritating.

**Symptoms/injuries after ingestion:** May be fatal if swallowed and enters airways.

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

Treat symptomatically.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Foam. Carbon dioxide. Dry chemical powder.

### UNSUITABLE FIRE EXTINGUISHING MEDIA:

Do not use extinguishing media containing water.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Combustible liquid. Upon combustion: CO and CO<sub>2</sub> are formed.

### SPECIFIC FIRE-FIGHTING METHODS:

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

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

## 6. Accidental Release Measures

### GENERAL MEASURES:

Isolate from fire, if possible, without unnecessary risk.

### PERSONAL PRECAUTIONS:

Safety glasses. Gloves. Protective clothing. Evacuate unnecessary personnel. Avoid contact with skin, eyes, and clothing. Ventilate spillage area. Equip cleanup crew with proper protection.

### EMERGENCY PROCEDURES:

Stop leak if safe to do so. Stop release. Ventilate area.

### ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Avoid release to the environment. Prevent entry to sewers and public waters. Contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.

### REFERENCE TO OTHER SECTIONS:

No additional information available.

## 7. Handling and Storage

### SAFE HANDLING:

Comply with the legal requirements. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

### HYGIENE MEASURES:

**Technical measures:** Comply with applicable regulations.

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

**Incompatible products:** Oxidizing agent.

**Incompatible materials:** Sources of ignition. Heat sources.

**Prohibitions on mixed storage:** KEEP SUBSTANCE AWAY FROM: oxidizing agents.

**Storage area:** Meet the legal requirements.

**Special rules on packaging:** meet the legal requirements.

## 8. Exposure Controls / Personal Protection

<b>white mineral oil (petroleum) (8042-47-5)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

### PERSONAL PROTECTIVE EQUIPMENT:

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



## 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>	No data available.	<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>Solubility (water):</b>	Liquid component is not soluble in water.
<b>Specific Gravity:</b>	0.81 g/ml - Tested using the liquid component of the towelette.	<b>Auto-Ignition Temperature:</b>	No data available.
<b>Flash Point:</b>	197°F Closed cup - Tested using the liquid component of the towelette.	<b>Decomposition Temperature:</b>	No data available.
<b>Viscosity (kinematic):</b>	< 20 cSt - Tested using the liquid component of the towelette.	<b>Log POW:</b>	No data available.
<b>Viscosity (dynamic):</b>	No data available.	<b>Low KOW:</b>	No data available.
<b>Relative Vapor Density @20°C:</b>	No data available.		

## 10. Stability & Reactivity Information

### REACTIVITY:

Upon combustion: CO and CO<sub>2</sub> are formed.

### CHEMICAL STABILITY:

No additional information available

### POSSIBILITY OF HAZARDOUS REACTIONS:

Refer to Section 10 on Reactivity.

### INCOMPATIBLE MATERIALS:

No additional information available.

### CONDITIONS TO AVOID:

No additional information available.

### HAZARDOUS DECOMPOSITION PRODUCTS:

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

## 11. Toxicological Information

### ACUTE TOXICITY:

Not classified.

**hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8):**

LD50 dermal rabbit > 5000 mg/kg body weight (Rabbit; Literature)

**(+)-limonene (5989-27-5):**

LD50 oral rat 4400 mg/kg body weight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Literature study; > 2000 mg/kg bodyweight; Rat; Read-across)

LD50 dermal rabbit > 5000 mg/kg body weight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402)

ATE CLP (oral) 4400.000 mg/kg body weight

**white mineral oil (petroleum) (8042-47-5)**

LD50 oral rat > 5000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)

LD50 dermal rabbit > 2000 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)

LC50 inhalation rat (mg/l) > 5 mg/l/4h (Rat; Experimental value)

### SKIN CORROSION/IRRITATION:

Not classified.

### SERIOUS EYE DAMAGE/IRRITATION:

Not classified.

### RESPIRATORY OR SKIN SENSITIZATION:

May cause an allergic skin reaction.

### GERM CELL MUTAGENICITY:

Not classified.

### CARCINOGENICITY:

Not classified.

**(+)-limonene (5989-27-5):** IARC group 3 - Not Classifiable.

**white mineral oil (petroleum) (8042-47-5):** IARC group 3 - Not Classifiable.

### REPRODUCTIVE TOXICITY:

Not classified.

### SPECIFIC TARGET ORGAN TOXICITY (single exposure):

Not classified.

### SPECIFIC TARGET ORGAN TOXICITY (repeated exposure):

Not classified.

### ASPIRATION HAZARD:

May be fatal if swallowed and enters airways.

### SYMPTOMS/INJURIES AFTER INHALATION:

None under normal use.

### SYMPTOMS/INJURIES AFTER SKIN CONTACT:

May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

### SYMPTOMS/INJURIES AFTER EYE CONTACT:

Direct contact with the eyes is likely irritating.

### SYMPTOMS/INJURIES AFTER INGESTION:

May be fatal if swallowed and enters airways.

## 12. Ecological Information

### TOXICITY:

**hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)**

LC50 fish 1: > 100 mg/l (Pisces)

EC50 Daphnia 1: > 100 mg/l (Invertebrata)

Threshold limit algae 1: > 100 mg/l (Algae)

**(+)-limonene (5989-27-5)**

LC50 fish 1: 720 µg/l (96 h; Pimephales promelas; Lethal)

EC50 Daphnia 1: 0.36 mg/l (48 h; Daphnia magna; GLP)

LC50 fish 2 702 µg/l (96 h; Pimephales promelas)

Threshold limit algae 1: 150 mg/l (72 h; Desmodesmus subspicatus; GLP)

Threshold limit algae 2: 2.62 mg/l (72 h; Desmodesmus subspicatus) white mineral oil (petroleum) (8042-47-5)

white mineral oil (petroleum) (8042-47-5)

LC50 fish 1: > 100 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration)

Threshold limit algae 1: >= 100 mg/l (72 h; Pseudokirchneriella subcapitata; Growth rate)

### PERSISTENCE AND DEGRADABILITY:

**hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8):** Persistence and degradability: Readily biodegradable in water. Adsorbs into the soil.

(+)-limonene (5989-27-5): Persistence and degradability: Readily biodegradable in water. Forming sediments in water. Adsorbs into the soil.

ThOD 3.29 g O<sub>2</sub>/g substance

white mineral oil (petroleum) (8042-47-5): Persistence and degradability: Not readily biodegradable in water. No (test) data on mobility of the substance available.

#### BIOACCUMULATIVE POTENTIAL:

hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

Log Pow 6 - 8.2

Bioaccumulative potential: High potential for bioaccumulation (Log Kow > 5).

(+)-limonene (5989-27-5)

BCF fish 1: 864.8 - 1022 (Pisces; Fresh weight)

Log Pow: 4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C)

Bioaccumulative potential: Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

white mineral oil (petroleum) (8042-47-5)

Bioaccumulative potential: No bioaccumulation data available.

#### 13. Disposal Consideration

Do not flush wipes. Dispose in a safe manner in accordance with local/national regulations.

#### 14. Transportation Information

##### DEPARTMENT OF TRANSPORTATION (DOT):

In accordance with DOT: Not regulated for transport.

##### ADDITIONAL INFORMATION:

No supplementary information available.

ADR: No additional information available.

##### TRANSPORT BY SEA:

No additional information available.

##### AIR TRANSPORT:

No additional information available.

#### 15. Regulatory Information

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

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

##### California Proposition 65:

This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

#### 16. Other Information

##### TRAINING ADVICE:

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

##### Full text of H-phrases:

Asp. Tox. 1 Aspiration hazard Category 1

Flam. Liq. 3 Flammable liquids Category 3

Flam. Liq. 4 Flammable liquids Category 4

Skin Irrit. 2 Skin corrosion/irritation Category 2

Skin Sens. 1 Skin sensitization Category 1

H226 Flammable liquid and vapor

H227 Combustible liquid

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H317 May cause an allergic skin reaction

NFPA	Health Hazards: 1	Flammability: 2	Instability: 0	Physical & Chemical Properties:
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**NFPA health hazard:** 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA fire hazard:** 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

**NFPA reactivity:** 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

##### 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.