



**TOP GUARD**  
**Safety Data Sheet**

according to Federal Register / Col. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
 Revision Date: 5/29/2015

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product Identifier**

Product Form : Mixture  
 Product Name : Top Guard  
 Product Code : TG-6L

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture : Floor Maintenance

**1.3 Details of the supplier of the safety data sheet**

Top Guard Products  
 1345 Seneca Avenue  
 Bronx, NY 10474  
 T (718) 638-5860

**1.4 Emergency telephone number**

Emergency number : CHEM-TREC 1-800-424-9300

**SECTION 2: Hazards Identification**

**NOTE:** SDS Hazards and Warnings are based on the product concentrate. Refer to diluted SDS for Ready-to-use Hazards and Warnings.

**2.1 Classification of the substance or mixture**

**Classification (GHS-US)**

Skin Irrit. 2, H315  
 Eye Irrit. 2B, H320  
 Flam Liq. 4, H227

**2.2 Label Elements**

**GHS-US labeling**

Hazard pictograms (GHS-US) :



Signal Word (GHS-US) :

**WARNING**

Hazard Statements (GHS-US) :

H315+H320 - Causes skin irritation. Causes eye irritation  
 H227 - Combustible Liquid.

Precautionary statements (GHS-US) :

P210 - Keep away from open flame and hot surfaces - no smoking.  
 P264 - Wash hands and forearms thoroughly after handling  
 P280 - Wear Protective gloves/eye protection/face protection  
 P260 - Do not breathe dust/mist/spray  
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P301+P330+P331 - If swallowed: rinse mouth. DO NOT induce vomiting  
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 - If inhaled; Remove person to fresh air and keep comfortable for breathing  
 P310 - Immediately call a poison center/doctor.  
 P321 - Specific treatment (see first aid measures on this label)  
 P363 - Wash contaminated clothing before reuse.  
 P405 - Store locked up.  
 P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

**2.3 Other Hazards**

No additional information available

**2.4 Unknown Acute Toxicity**

No Data Available

**SECTION 3: Composition / Information on Ingredients**

**3.1 Substance**

Not Applicable

**3.2 Mixture**

Name	Product Identifier	%	Classification (GHS-US)
2-propanol	(CAS No.) 67-63-0	1 - 5	Flam Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, 2, H336
pine oil	(CAS No.) 8002-09-3	5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

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### SECTION 4: First Aid Measures

#### 4.1 Description of First Aid measures

First Aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show label where possible)
First Aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician
First Aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
First Aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
First Aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms / injuries : Prolonged skin contact may cause mild reversible skin irritation. May cause eye irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting Measures

#### 5.1 Extinguishing Media

Suitable extinguishing media	: Foam. Dry powder. Carbon Dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream

#### 5.2 Special hazards arising from the substance or mixture

Reactivity : None known

#### 5.3 Advice for firefighters

Firefighting Instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection

### SECTION 6: Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

##### 6.1.1 For non-emergency personnel

Emergency Procedures : Evacuate unnecessary personnel

##### 6.1.2 For emergency responders

Protective Equipment : Equip cleanup crew with proper protection  
Emergency Procedures : Ventilate area

#### 6.2 Environmental precautions

At concentrations present, this product is not expected to present a significant hazard to the environment.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up. : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and Storage

#### 7.1 Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/mist/spray. Avoid contact during pregnancy/while nursing

Hygiene measures : Wash hands and forearms thoroughly after handling.

#### 7.2 Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.  
Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use  
Incompatible products : None known  
Incompatible Materials : None known

#### 7.3 Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls / personal protection

#### 8.1 Control parameters

2-propanol (67-63-0)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	200 ppm
USA ACGIH	Remark (ACGIH)	Eye & URT Irrit; CNS impair
USA OSHA	OSHA PEL (TWA) (mg/m3)	980 mg/m3
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm
potassium hydroxide (1310-58-3)		
USA ACGIH	ACGIH TLV (mg/m3)	2 mg/m3
USA OSHA	OSHA PEL (mg/m3)	Ceiling: 2mg/m3
USA ACGIH	NIOSH IDLH (mg/m3)	Ceiling: 2mg/m3

#### 8.2 Exposure controls

Personal Protective Equipment	: Avoid unnecessary exposure
Hand Protection	: Protective gloves
Eye Protection	: Chemical goggles or face shield
Respiratory Protection	: Wear appropriate mask.
Other Information	: Do not eat, drink or smoke during use.

#### 8.2.1 Engineering Controls

Showers, Eyewash stations, Ventilation systems

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear
Color	: Light Amber
Odor	: Slight
Odor threshold	: No data available
pH	: 8.5 - 9.5
Relative evaporation rate (butyl acetate=1)	: < 1
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: ≥ 212°F
Flash Point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative vapor density @ 20°C	: Equivalent to water
Relative density	: 1.03
Solubility in water	: Complete
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

#### 9.2 Other Information

No additional information available.

### SECTION 10: Stability and Reactivity

#### 10.1 Reactivity

No data available

#### 10.2 Chemical Stability

Stable under normal conditions

#### 10.3 Possibility of hazardous reactions

Not expected under normal processing

#### 10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5 Incompatible materials

None known

#### 10.6 Hazardous decomposition products

None known

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### SECTION 11: Toxicological Information

#### 11.1 Information on toxicological effects

Acute Toxicity : Not classified

2-propanol (67-63-0)	
LD50 oral rat	5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat)
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
ATE US (oral)	5045.00 mg/kg body weight
ATE US (dermal)	12870.00 mg/kg body weight
ATE US (vapors)	73.00 mg/l/4h
ATE US (dust, mist)	73.00 mg/l/4h

pine oil (8002-09-3)	
LD50 oral rat	3200.00 mg/kg body weight
LD50 dermal rabbit	5000.00 mg/kg body weight

Skin corrosion / irritation : Not classified (pH 8.5-9.5)  
Serious eye damage / irritation : Not classified (pH 8.5-9.5)  
Respiratory sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

2-propanol (67-63-0)	
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 : Not classified  
Potential Adverse human health effects and symptoms : Based on available date, the classification criteria are not met.

### SECTION 12: Ecological Information

#### 12.1 Toxicity

2-propanol (67-63-0)	
LC50 fish 1	4200 mg/l (96 h; Rasbora heteromorpha; Flow - through system)
EC50 Daphnia 1	10000 mg/l (48 h; Daphnia magna)
LC50 fish 2	9640 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 2	13299 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (72 h; Scenedesmus subspicatus; Growth rate)
Threshold limit algae 2	1800 mg/l (72 h; Algae; Cell numbers)

#### 12.2 Persistence and degradability

Top Guard	
Persistence and degradability	Not established

2-propanol (67-63-0)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	1.19 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.23 g O <sub>2</sub> /g substance
ThOD	2.40 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.49 % ThOD

potassium hydroxide (1310-58-3)	
Persistence and degradability	Biodegradability: Not Established. No (test) data on mobility of substance available.
Biochemical oxygen demand (BOD)	Not Applicable
Chemical oxygen demand (COD)	Not Applicable
ThOD	Not Applicable
BOD (% of ThOD)	Not Applicable

#### 12.3 Bioaccumulative potential

Top Guard	
Bioaccumulative potential	Not established

2-propanol (67-63-0)	
Log Pow	0.05 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

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### 12.4 Mobility in Soil

#### 2-proponal (67-63-0)

Surface Tension : 0.021 N/m (25 °C)

### 12.5 Other adverse effects

Effect on ozone layer : No additional information available  
Effect on the global warming : No known ecological damage caused by this product  
Other information : Avoid release to the environment

## SECTION 13: Disposal Considerations

### 13.1 Waste Treatment Methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local, state, and federal regulations.  
Ecology - Waste materials : Avoid release to the environment

## SECTION 14: Transport Information

In accordance with DOT  
Not regulated for transport

### Additional Information

Other Information : No supplementary information available

#### ADR

Transport document description :  
Transport by sea : No additional information available  
Air transport : No additional information available

## SECTION 15: Regulatory Information

### 15.1 US Federal Regulations

Secton 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains (a) chemical(s) which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### 2-proponal (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on United States SARA Section 313

#### pine oil (8002-09-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Not Listed on United States SARA Section 313

#### potassium hydroxide (1310-58-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.  
Not listed on the United States SARA Section 313

RQ (Reportable Quantity, section 304 of EPA's List of Lists) : 5000 lbs

CWA (Clean Water Act) : This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40CFR 122.21 and 40 CFR 122.42)  
CERCLA : This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to the release of this material.

### 15.1 US State Regulations

California Proposition 65 : No Proposition 65 chemicals present

#### US State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-proponal (67-63-0)	X	X	X
potassium hydroxide (1310-58-3)	X	X	X

### 15.2 International Regulations

#### CANADA

No additional information available

#### EU Regulations

No additional information available

### 15.2.2 National Regulations

No additional information available

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### SECTION 16: Other Information

Revision Date : 2/27/2015  
Other Information : None

#### HMIS III Rating

Health : 1 Slight Hazard  
Flammability : 0 Minimal Hazard  
Physical : 0 Minimal Hazard  
Personal Protection :

SDS US (GHS Hazcom 2012)

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The goal of defining precisely, in measurable terms, every possible health effect that may occur in the workplace as a result of chemical exposures cannot realistically be accomplished. The information and recommendation contained in this Safety Data Sheet are supplied according to Federal Register / Col. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations. The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. Twi-LaQ Industries, Inc., however, makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the same will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Twi-LaQ Industries, Inc. be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this Safety Data Sheet. The ultimate compliance with federal, state and local regulations concerning the use or disposal of this compound, or compliance with respect to products liability, rests solely upon the purchaser thereof.