

2001 Power Degreaser

SECTION 1. IDENTIFICATION

Product Identifier 2001 Power Degreaser
Product Family Degreaser
Supplier Identifier Tennier Sanitation, 1 McKinstry St, Hamilton, ON, L8L 6C2, 905-522-5756
Emergency Phone No. CANUTEC , 613-996-6666, 24 Hours
SDS No. 0236
Date of Preparation April 12, 2018

SECTION 2. HAZARD IDENTIFICATION

Classification

Eye irritation - Category 2A

Label Elements



Warning

Causes skin and eye irritation.

Wash hands thoroughly after handling.

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 advice/attention.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium laurylaryl sulfonate	27176-87-0	1-5		
2-Butoxyethanol	111-76-2	1-5		
Ethoxylated Alcohol, linear (non-ionic surfactant)	68439-46-3	1-5		
Sodium Metasilicate	6834-92-0	0.5-1.5		
Sodium tripolyphosphate	7758-29-4	0.5-1.5		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Rinse skin with cool water. If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Do not induce vomiting. Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Symptoms may develop hours after exposure.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

Very toxic carbon monoxide, carbon dioxide; irritating chemicals.

Special Protective Equipment and Precautions for Fire-fighters

Firefighters should wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Dike spilled product to prevent runoff. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

General hygiene considerations: do not get in eyes, on skin or on clothing.

Conditions for Safe Storage

Separate from incompatible materials (see Section 10: Stability and Reactivity). Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL [C]	TWA	Ceiling
Sodium Metasilicate	10 mg/m3			
Sodium tripolyphosphate	Not established		Not established	
2-Butoxyethanol	20 ppm A3		25 ppm Skin	

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear violet liquid.
pH	12.5 - 13.0 (100% solution)
Flash Point	Not available
Evaporation Rate	Not available
Relative Density (water = 1)	1.04
Solubility	Soluble in all proportions in water

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Normally stable.

Conditions to Avoid

Prolonged exposure to high temperatures. Contamination.

Incompatible Materials

Strong acids, strong oxidizing agents.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; irritating chemicals.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium laurylaryl sulfonate		500-2000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Sodium Metasilicate		1153 mg/kg	
Sodium tripolyphosphate		3100 mg/kg (rat)	> 7940 mg/kg (rabbit)
2-Butoxyethanol	700 ppm (mouse)	450-3000 mg/kg (rat)	400-510 mg/kg (rabbit)
Ethoxylated Alcohol, linear (non-ionic surfactant)	5 mg/L (rat) (4-hour exposure)	> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)

LC50: No information was located.

Skin Corrosion/Irritation

May cause irritation.

Serious Eye Damage/Irritation

Causes serious eye irritation based on skin irritation information.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Product Identifier: 2001 Power Degreaser - Ver. 1

SDS No.: 0236

Date of Preparation: April 12, 2018

Date of Last Revision:

Page 03 of 05

Nose and throat irritation.

Skin Absorption

May be harmful.

Ingestion

May cause Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Respiratory and/or Skin Sensitization

Not a skin sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Sodium laurylaryl sulfonate	Not Listed	Not designated	Not Listed	Not Listed
Sodium Metasilicate	Not Listed	Not designated	Not Listed	Not Listed
Sodium tripolyphosphate	Not Listed	Not designated	Not Listed	Not Listed
2-Butoxyethanol	Group 3	A3	Not Listed	Not Listed
Ethoxylated Alcohol, linear (non-ionic surfactant)	Not Listed	Not designated	Not Listed	Not Listed

Group 3 – Not classifiable as to its carcinogenicity to humans. A3 – Confirmed animal carcinogen.

Reproductive Toxicity

Development of Offspring

Animal studies show effects on the offspring. Decreased weight. (2-Butoxyethanol)

Germ Cell Mutagenicity

May be mutagenic based on limited evidence. (2-Butoxyethanol)

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Algae
Sodium laurylaryl sulfonate	2.6 mg/L (Leuciscus idus; 96-hour)	5.9 mg/L (Daphnia magna (water flea); 24 hr)	47.3 mg/L (72-hour)
Sodium Metasilicate	210 mg/L (Brachydanio rerio (zebra fish); 96-hour; semi-static)		
Sodium tripolyphosphate	1650 mg/L (Leuciscus idus; 48-hour)		
2-Butoxyethanol	1000 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; static)	210 mg/L (Daphnia magna (water flea); fresh water; static)	
Ethoxylated Alcohol, linear (non-ionic surfactant)	5-10 mg/L (96-hour)	5-10 mg/L (Daphnia magna (water flea); 48-hour)	10-100 mg/L (72-hour)

Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

Bioaccumulative Potential

This product and its degradation products are not expected to bioaccumulate.

Mobility in Soil

If released into the environment, this product is expected to move rapidly through the soil, based on physical and chemical properties.

Product Identifier: 2001 Power Degreaser - Ver. 1

SDS No.: 0236

Date of Preparation: April 12, 2018

Date of Last Revision:

Page 04 of 05

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 2	Flammability - 0	Instability - 0
SDS Prepared By	Elemental		
Phone No.	519.537.1095		
Date of Preparation	April 12, 2018		
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. The information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.		

Product Identifier: 2001 Power Degreaser - Ver. 1

SDS No.: 0236

Date of Preparation: April 12, 2018

Date of Last Revision:

Page 05 of 05