



# Material Safety Data Sheet

## Heavy Duty Multi-purpose Cleaner

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Heavy Duty Multi-purpose Cleaner  
**Part number** TNDS8212, TNDS8312, TNDS8412

**Product Family** Aqueous solution  
**Manufacturer / Supplier** Shrader Canada Limited  
830 Progress Court  
Oakville, ON L6L 6K1  
+1.905.847.0222  
www.shradercanada.com

**Emergency Contact Information** CANUTEC, +1.613.996.6666, Operation hours: 24/7

**Use** Cleaner

### 2. HAZARDS IDENTIFICATION

#### Potential Health Effects

**Route of Exposure** Skin contact;  
Eye contact;  
Ingestion.

**Inhalation** Not harmful.

**Skin Contact** May cause moderate to severe irritation.

**Eye Contact** May cause moderate to severe irritation.

**Ingestion** Can irritate the mouth, throat and stomach.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration %	Other Identifiers
Alcohols, C7-21, ethoxylated	68991-48-0	1-5	
Ethylene glycol propyl ether	2807-30-9	1-5	
Tetrasodium pyrophosphate	7722-88-5	0.1-1.0	Ethylene glycol propyl ether

**Notes** Concentration ranges due to batch processing. Documentation supporting composition variability is maintained.

### 4. FIRST AID MEASURES

#### First Aid Procedures

**Inhalation** Move victim to fresh air. Call a Poison Centre or doctor if the victim feels unwell.

**Skin Contact** Immediately flush with lukewarm, gently flowing water for at least 30 minutes. If irritation or pain persists, see a doctor.

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<b>Eye Contact</b>	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a Poison Centre or doctor. Treatment is urgently required. Transport to a hospital.
<b>Ingestion</b>	NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. Call a Poison Centre or doctor if the victim feels unwell.

## 5. FIRE FIGHTING MEASURES

<b>Flammable Properties</b>	Does not burn.
<b>Suitable Extinguishing Media</b>	Not combustible. Use extinguishing agent suitable for surrounding fire.
<b>Unsuitable Extinguishing Media</b>	None known.
<b>Specific Hazards Arising from the Chemical</b>	Very toxic carbon monoxide, carbon dioxide. and other unidentified organic compounds.
<b>Protective Equipment and Precautions for Firefighters</b>	Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel.
<b>Environmental Precautions</b>	If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Do not allow into any sewer, on the ground or into any waterway.
<b>Methods for Containment and Clean-up</b>	Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Wear personal protective equipment to avoid direct contact with this chemical. Only use where there is adequate ventilation.
<b>Storage</b>	Store in an area that is: well-ventilated, cool, dry, keep from freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH® TLV®		OSHA PEL			
	TWA	STEL [C]	TWA	Ceiling		
Tetrasodium pyrophosphate	Not established	Not established	5 mg/m3	Not established		

**Engineering Controls** Sufficient mechanical ventilation to maintain exposures below the TLV. Under normal conditions of use, general ventilation should be satisfactory. Local ventilation is recommended if the product is misted or used in a confined space or if the TLV is exceeded. Make up air should always be supplied to balance air exhausted.

### Personal Protective Equipment (PPE)

**Eye/Face Protection** Wear chemical safety goggles and face shield when contact is possible.

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**Skin Protection** Prevent skin contact. Wear chemical protective clothing e.g. gloves, aprons, boots.  
Suitable materials are: nitrile rubber, neoprene rubber.

**Respiratory Protection** Not normally required if product is used as directed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Clear colourless liquid.
<b>Odour</b>	Not available
<b>Relative Density (water = 1)</b>	1.019
<b>Solubility in Water</b>	Soluble
<b>pH</b>	12.7
<b>Partition Coefficient, n-Octanol/Water</b>	Not available
<b>Viscosity-Kinematic</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Flash Point</b>	Not applicable
<b>Lower Flammable/Explosive Limit</b>	Not applicable
<b>Upper Flammable/Explosive Limit</b>	Not applicable
<b>VOC %</b>	Not applicable
<b>Flame projection</b>	Not applicable
<b>NFPA Classification</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Normally stable.
<b>Conditions to Avoid</b>	Incompatible materials.
<b>Incompatible Materials</b>	Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).
<b>Hazardous Decomposition Products</b>	Very toxic carbon monoxide, carbon dioxide. and other unidentified organic compounds.
<b>Possibility of Hazardous Reactions</b>	Not applicable.

## 11. TOXICOLOGICAL INFORMATION

### General Comments

Information presented below is for the entire product, unless otherwise specified.

### LC50/LD50 Values

<b>Chemical Name</b>	<b>LC50</b>	<b>LD50 (oral)</b>	<b>LD50 (dermal)</b>
Ethylene glycol propyl ether	2025 ppm (rat) (4-hour exposure)	500-1000 mg/kg (rat)	875 mg/kg (rabbit)
Tetrasodium pyrophosphate	Not applicable	> 4000 mg/kg (rat)	> 300 mg/kg (rabbit)

LC50: No information was located.

LD50 (oral): No information was located.

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LD50 (dermal): No information was located.

**Skin Irritation/Corrosion**

There is limited evidence of moderate or severe irritation.

**Eye Irritation/Corrosion**

There is limited evidence of moderate or severe irritation.

**Effects of Short-Term (Acute) Exposure**

**Inhalation**

No information was located.

**Skin Absorption**

No information was located.

**Ingestion**

May cause irritation of the mouth, throat and stomach.

**Effects of Long-Term (Chronic) Exposure**

No information was located.

**Respiratory and/or Skin Sensitization**

No information was located.

No information was located for: Carcinogenicity, Teratogenicity / Embryotoxicity, Reproductive Toxicity, Mutagenicity, Toxicologically Synergistic Materials

**12. ECOLOGICAL INFORMATION**

**General Comments** Environmental information was not located.

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with municipal, provincial/state or federal regulations.

**14. TRANSPORT INFORMATION**

**Shipping Information**

Not regulated under Canadian TDG Regulations.

**Other Transport Information**

**Special Shipping Information** Not applicable

**15. REGULATORY INFORMATION**

**Canada**

**WHMIS Classification**



Class E

E - Corrosive

**16. OTHER INFORMATION**

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<b>NFPA Rating</b>	<b>Health - 1    Flammability - 0    Instability - 0</b>
<b>MSDS Prepared By</b>	Regulatory Compliance
<b>Phone No.</b>	800.201.9486
<b>Date of Preparation</b>	September 08, 2017
<b>Key to Abbreviations</b>	ACGIH® = American Conference of Governmental Hygienists CANUTEC = Canadian Transport Emergency Centre CAS = Chemical Abstract Service CCOHS = Canadian Centre for Occupational Health & Safety CNS = Central nervous system GESTIS = GESTIS Substance Database HSDB® = Hazardous Substances Data Bank IARC = International Agency for Research on Cancer ICAO = International Civil Aviation Organization IMDG = International Maritime Dangerous Goods Code LC = Lethal concentration LC = Lethal dose NFPA = National Fire Protection Association NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration PPM = Parts per million RTECS® = Registry of Toxic Effects of Chemical Substances STEL = Short term exposure limit TDG = Transportation of Dangerous Goods Regulations (Canada) TWA = Time weighted average
<b>References</b>	Material safety data sheet from manufacturer. CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Accelrys, Inc. Available from Canadian Centre for Occupational Health and Safety (CCOHS). ECHA - European Chemical Agency, Classification and Labelling Inventory GESTIS Substance Database OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.
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