

# Safety Data Sheet

## Multi-Wash

### SECTION 1. IDENTIFICATION

**Product Identifier** Multi-Wash  
**Part number** 992659, 992660, 993279, 10951051  
**Product Family** Aqueous solution  
**Recommended Use** Cleaner.  
**Restrictions on Use** Not applicable.  
**Supplier Identifier** AC Delco, 1908 Colonel Sam Drive, Oshawa, ON, L1H 8P7, 1.800.223.3526  
**Emergency Phone No.** CANUTEC, +1.613.996.6666, Operation hours: 24/7

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Not classified under any hazard class.

#### Label Elements

Not applicable

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
2,2-iminodiethanol	111-42-2	0.1-1.5	
Potassium hydroxide	1310-58-3	0.1-1.5	

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Not a hazard under normal conditions of use. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

##### 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

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

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

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**Suitable Extinguishing Media**

Carbon dioxide or dry chemical.

**Unsuitable Extinguishing Media**

Do not use a direct stream of water.

**Specific Hazards Arising from the Product**

Does not burn.

Carbon oxides, and other unidentified organic compounds.

**Special Protective Equipment and Precautions for Fire-fighters**

Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).

**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**

Do not allow into any sewer, on the ground or into any waterway.

**Methods and Materials for Containment and Cleaning Up**

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**

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. No special handling precautions are necessary. Containers of this material may contain hazardous residues when "emptied".

**Conditions for Safe Storage**

Store in an area that is: cool, dry, well-ventilated.

Keep from freezing.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters**

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL [C]	TWA	Ceiling
Sodium tripolyphosphate	Not established	Not established	Not established	Not established
2,2-iminodiethanol	1 mg/m3 A3	Not established	15 mg/m3	Not established
Glycerine	Not established	Not established	5 mg/m3 (R)	Not established
Phosphoric acid	1 mg/m3	Not established	1 mg/m3	Not established
1,4-Dioxane	20 ppm A3	Not established	100 ppm Skin	Not established

**Appropriate 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. Provide eyewash and safety shower if contact or splash hazard exists.

**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.

Suitable materials are: neoprene rubber, nitrile rubber.

#### **Respiratory Protection**

Not normally required if product is used as directed.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Basic Physical and Chemical Properties**

<b>Appearance</b>	Clear colourless liquid.
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	8.3
<b>Melting Point/Freezing Point</b>	Not available (melting)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable (liquid).
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.03
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not applicable
<b>Viscosity</b>	< 14 centistokes at 40°C (kinematic)
<b>Other Information</b>	
<b>VOC %</b>	< 0.5
<b>Flame projection</b>	Not applicable
<b>NFPA Classification</b>	Not applicable

## **SECTION 10. STABILITY AND REACTIVITY**

### **Reactivity**

Not reactive under normal conditions of use.

### **Chemical Stability**

Stable at ambient temperatures and pressures.

### **Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

### **Conditions to Avoid**

None known.

### **Incompatible Materials**

Strong oxidizing agents (e.g. perchloric acid).

### **Hazardous Decomposition Products**

Carbon oxides. And other unidentified organic compounds.

## SECTION 11. TOXICOLOGICAL INFORMATION

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

### Likely Routes of Exposure

Inhalation;  
Skin contact;  
Eye contact;  
Ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium tripolyphosphate	Not available	6500 mg/kg (rat)	Not available
2,2-iminodiethanol	> 0.4 ppm (rat) (6-hour)	680 mg/kg (female rat)	8180 mg/kg (rabbit)
Glycerine	> 143 mg/m3 (rat) (4-hour exposure)	27200 mg/kg (female rat)	23000 mg/kg (rabbit)
Potassium hydroxide	Not available	250 mg/kg (rat)	> 1260 mg/kg (rabbit)
hexahydro-1,3,5-tris(hydroxyethyl-s-triazine)	Not available	763 mg/kg (rat)	> 2000 mg/kg (rat)
Phosphoric acid	> 213 mg/kg (rat) (4-hour exposure)	1530 mg/kg (rat)	> 1260 mg/kg (rabbit)
Pine oil	> 3.79 mg/L (rat) (4-hour exposure)	3200 mg/kg (rat)	5000 mg/kg (rabbit)
1,4-Dioxane	14250 ppm (female rat) (4-hour exposure)	5340 mg/kg (rat)	7860 mg/kg (rabbit)

### Skin Corrosion/Irritation

Not a skin irritant.

### Serious Eye Damage/Irritation

There is limited evidence of mild irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

No hazard under normal conditions of use.

Inhalation of mist or vapours formed at high temperatures or on mixing may cause respiratory irritation.

#### Ingestion

If large amounts are swallowed may cause stomach irritation. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

### Aspiration Hazard

Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

### Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer.

Not known to be a skin sensitizer.

### Carcinogenicity

Chemical Name	ACGIH®	IARC	NTP	OSHA
2,2-iminodiethanol	A3	Group 2B	Not Listed	Not Listed
Glycerine	Not Listed	Not Listed	Not Listed	Not Listed
Potassium hydroxide	Not designated	Not evaluated	Not Listed	

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Phosphoric acid	Not Listed	Not evaluated	Not Listed	Not Listed
1,4-Dioxane	A3	Group 2B	Reasonably anticipated	Not Listed

Not a carcinogen.

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. A3 = Animal carcinogen.

IARC = International Agency for Research on Cancer. Group 2B = Possibly carcinogenic to humans.

No information was located for: Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

## SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

This section is not required by OSHA HCS 2012.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

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

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under IATA Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**Other Information** Not regulated under IMDG Code.

## 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.

#### CEPA - National Pollutant Release Inventory (NPRI)

(2,2-iminodiethanol) Part 1A.

#### USA

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

All ingredients are listed on the TSCA Inventory.

#### Additional USA Regulatory Lists

CERCLA. (2,2-iminodiethanol). (Potassium hydroxide)

SARA Title III - Section 302: Not applicable.

SARA Title III - Section 313. (2,2-iminodiethanol)

California Proposition 65: Not applicable.

Massachusetts Right To Know: Not applicable.

New Jersey Right To Know. (2,2-iminodiethanol). (Potassium hydroxide)

Pennsylvania Right To Know. (2,2-iminodiethanol). (Potassium hydroxide).

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Regulatory Compliance

**Phone No.** 905.847.0222

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**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists  
CANUTEC = Canadian Transportation Emergency Centre  
CAS = Chemical Abstract Services  
CCOHS = Canadian Centre for Occupational Health & Safety  
CNS = Central nervous system  
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  
LD = Lethal dose  
NFPA = National Fire Prevention 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

**References** 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. Dassault Systèmes/BIOVIA ("BIOVIA"). 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.

**Disclaimer** The information contained herein is offered only as a guide to the use and handling of this specific material and has been prepared in good faith. It is not intended to be all-inclusive, and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied. Shrader Canada Limited will not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on any information contained herein.