



0 = Minimum 1 = Light 2 = Moderate 3 = Serious 4 = Extreme

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	UNO S V
Product Identifier	53-G 053 (500ml), 53-G 056 (5L), 53-G 057 (20L), 53-G 058 (208L)
MSDS No.	L-138E
Product Family	UNO cleaner and degreaser family
Manufacturer / Supplier	J. WALTER CO. LTD, 5977 Trans-Canada Highway, Pointe-Claire, Qc, H9R 1C1, 1-888-592-5837, www.walter.com
Emergency Contact Information	CANUTEC (Canadian Transport Emergency Centre), (613) 996-6666, 24 Hours / 7 Days
Use	High strength alkaline cleaner and degreaser, viscous formulation.

2. HAZARDS IDENTIFICATION

WHMIS Classification



Class D2B
D2B - Toxic (Skin irritant; Eye irritant)

Potential Health Effects

Route of Exposure	Inhalation; skin contact; eye contact; ingestion.
Inhalation	Can irritate the nose and throat.
Skin Contact	May cause mild irritation.
Eye Contact	May cause mild irritation.
Carcinogenicity	Not a carcinogen.
Teratogenicity / Embryotoxicity	Does not harm the unborn child.
Reproductive Toxicity	Not a reproductive hazard.
Mutagenicity	Not a mutagen.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Linear Alkyl Benzene Sulfonate	68411-30-3	1-5	

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	Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately flush with lukewarm, gently flowing water for at least 30 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If irritation or pain persists, see a doctor.
Eye Contact	Quickly and gently blot or brush chemical off the face. Immediately flush the contaminated eye (s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. If irritation or pain persists, see a doctor.
Ingestion	Have victim rinse mouth with water. Call a Poison Centre or doctor if the victim feels unwell.

5. FIRE FIGHTING MEASURES

Flammable Properties	Does not burn.
Suitable Extinguishing Media	Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media	None known.
Specific Hazards Arising from the Chemical	This product presents no unusual hazards in a fire situation.
Protective Equipment and Precautions for Firefighters	No special precautions are necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use the Personal Protective Equipment recommended in Section 8 of this MSDS.
Environmental Precautions	It is good practice to prevent releases into the environment.
Methods for Containment and Clean-up	Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Contaminated absorbent poses the same hazard as the spilled product. Large spills or leaks: remove or recover liquid using pumps or vacuum equipment. Flush spill area. Dike and recover contaminated water for appropriate disposal. Review Section 13 (Disposal Considerations) of this MSDS.

7. HANDLING AND STORAGE

Handling	Only use where there is adequate ventilation. Prevent accidental contact with incompatible chemicals. Keep containers tightly closed when not in use or empty. Wear personal protective equipment to avoid direct contact with this chemical.
Storage	Store in an area that is: cool, dry, well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Mechanical ventilation is recommended for all indoor situations. Well designed and well-maintained ventilation systems remove vapours, fumes, mists from the workplace.
Personal Protective Equipment (PPE)	
Eye/Face Protection	Wear chemical safety goggles when contact is possible.
Skin Protection	Avoid repeated or prolonged skin contact. Wear chemical protective clothing e.g. gloves, Suitable materials are: Nitrile gloves 0.4 mm thick, permeation time 480 minutes.
Respiratory Protection	Not usually required when working with small quantities. Do not breathe in this product. Wear respiratory protection if ventilation is inadequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Light pink.
Odour	Mild
Boiling Point	98 °C (208 °F)
Freezing Point	0 °C (32 °F)
Solubility in Water	Soluble.
pH (100g/kg H₂O)	< 12
Relative Density (water = 1)	1.04 g/ml
Vapour Density	N/Av
Lower Flammable/Explosive Limit	Not applicable
Upper Flammable/Explosive Limit	Not applicable
Auto-ignition Temperature	Not applicable
VOC (g/L):	0 g/L

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	None known.
Incompatible Materials	Strong acids (e.g. hydrochloric acid).
Hazardous Decomposition Products	None known.
Possibility of Hazardous Reactions	None known.

11. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Registry No.	LD50 Rat (Oral)	LD50 (dermal)
Linear Alkyl Benzene Sulfonate	68411-30-3	1470 mg/kg	N/Av

Skin Irritation / Corrosion

May cause mild irritation based on information for closely related chemicals.

Eye Irritation / Corrosion

May cause mild irritation based on information for closely related chemicals.

Effects of Short-Term (Acute) Exposure

Inhalation

At high concentrations: May cause nose and throat irritation.

Ingestion

May cause irritation of the mouth, throat and stomach.

Effects of Long-Term (Chronic) Exposure

At high concentrations: irritation of the respiratory system if inhaled.

Carcinogenicity

IARC: NTP: OSHA: Not specifically listed. ACGIH®: Not specifically designated.

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. IARC = International Agency for Research on

Cancer. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration.

Teratogenicity / Embryotoxicity

Does not cause harm to the unborn child.

Reproductive Toxicity

Not a reproductive hazard.

12. ECOLOGICAL INFORMATION

General Comments

Behaviour in sewage plants: the product does not cause any disruption of sewage plants. The surfactants in the product are >90% biodegradable. Contains no phosphate. According to the formula, contains no Adsorbable Organic Halogen (AOX).

Ecotoxicity

Studies were not located.

Persistence and Degradability

No information was located.

Bioaccumulation / Accumulation

No information was located.

Mobility

Studies are not available.

13. DISPOSAL CONSIDERATIONS

Eliminate while respecting municipal, provincial and federal regulations. Consider pH value.

14. TRANSPORT INFORMATION

Shipping Information

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

Other Transport Information

Special Shipping Information

Not applicable

15. REGULATORY INFORMATION

Canada

Domestic Substances List (DSL)

All ingredients are listed on the DSL.

CEPA - National Pollutant Release Inventory (NPRI)

Not specifically listed.

USA

US OSHA Regulatory Status

This material is considered controlled by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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

All ingredients are exempt from TSCA Inventory requirements.

Additional USA Regulatory Lists

CERCLA: None
SARA Title III - Section 302: None
SARA Title III - Section 311/312: None
New Jersey Right To Know: None.
Section 112: Hazardous Air Pollutants (HAPS): None

16. OTHER INFORMATION

MSDS Prepared By	Product Manager, Environmental and MRO Solutions
Phone No.	1-888-592-5837
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