



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

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	E-NOX CLEAN
Product Identifier	53-G 303 (500 ml), 53-G 306 (5L), 53-G 307 (20L), 53-G 308 (208L)
MSDS No.	L-59E
Product Family	Cleaning and Degreasing
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 stainless steel cleaner

2. HAZARDS IDENTIFICATION

WHMIS Classification



Class D2B



Class E

D2B - Toxic; E - Corrosive

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

Potential Health Effects

Route of Exposure	Inhalation; skin contact; eye contact; ingestion.
Inhalation	Can irritate the nose and throat.
Skin Contact	CORROSIVE. Repeated or prolonged exposure can irritate or burn the skin.
Eye Contact	CORROSIVE. May cause serious eye damage. May irritate or burn the eyes.
Carcinogenicity	Not known to cause cancer.
Teratogenicity / Embryotoxicity	Not known to harm the unborn child.
Reproductive Toxicity	Not known to be a reproductive hazard.
Mutagenicity	Not known to be a mutagen.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Phosphoric acid solutions	7664-38-2	10-30	N/Av
Linear Alkyl Benzene Sulphonate	68411-30-3	1-5	N/Av

4. FIRST AID MEASURES

First Aid Procedures

Inhalation	Move victim to fresh air. Keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor if the victim feels unwell.
Skin Contact	Quickly 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. Give plenty of water to drink NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Immediately call a Poison Centre or doctor.

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	Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Review Section 7 (Handling) of this MSDS before proceeding with clean-up. Use the Personal Protective Equipment recommended in Section 8 of this MSDS. Slippery after spillage or leakage.
Environmental Precautions	Do not discharge into drains undiluted.
Methods for Containment and Clean-up	Contain and soak up spill with absorbent that does not react with spilled product. Contaminated absorbent poses the same hazard as the spilled product. Flush spill area. Review Section 13 (Disposal Considerations) of this MSDS.

7. HANDLING AND STORAGE

Handling	Only use where there is adequate ventilation. Avoid generating vapours or mists. Prevent accidental contact with incompatible chemicals. Wear personal protective equipment to avoid direct contact with this chemical. Use corrosion-resistant tools and equipment. See Section 10 (Stability and Reactivity) for suitable materials. Never add water to a corrosive. Always add corrosives slowly to COLD water. Keep containers tightly closed when not in use or empty.
Storage	Store in an area that is: cool, dry well-ventilated. Engineering controls are usually required in the storage area to protect against the product's hazard(s). Review Section 8 (Exposure Controls/Personal Protection) for information. Separate from incompatible materials (see Section 10: Stability and Reactivity). Store in the original, labelled, shipping container. 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. Avoid breathing spray or mist. If ventilation is insufficient, wear breathing apparatus protection.
Personal Protective Equipment (PPE)	
Eye/Face Protection	Do not get in eyes. Wear chemical safety goggles and face shield when contact is possible.
Skin Protection	Prevent skin contact. Wear chemical protective clothing e.g. gloves, aprons, boots.
Respiratory Protection	Do not breathe in this product. Wear respiratory protection if ventilation is inadequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear yellow liquid.
Odour	Characteristic
Boiling Point	98 °C (208 °F)
Freezing Point	0 °C (32 °F)
Specific Gravity	1,10 g/ml 20°C (68 °F)
Solubility in Water	Soluble.
Flash Point	Not applicable
Lower Flammable/Explosive Limit	Not applicable
Upper Flammable/Explosive Limit	Not applicable
Auto-ignition Temperature	Not applicable
VOC (g/L)	0
pH (at 50g/L H2O)	~ 1,5

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	None known.
Incompatible	Strong alkaline.
Materials	
Hazardous Decomposition Products	If mixed with cleaners containing chlorides, chlorine will be set free.
Possibility of Hazardous Reactions	None known.

11. TOXICOLOGICAL INFORMATION

LD50/LC50

Chemical Name	CAS Number	LD50 (Rat)	LC50 (Rat)
Phosphoric acid solutions	7664-38-2	1530 mg/kg	N/Av
Linear Alkyl Benzene Sulphonate	68411-30-3	1470 mg/kg	N/Av

Skin Irritation / Corrosion

May irritate skin.

Eye Irritation / Corrosion

May irritate eyes.

Effects of Short-Term (Acute) Exposure

Inhalation

May cause nose and throat irritation.

Skin Absorption

May cause irritation to skin and mucosal tissues.

Ingestion

Irritation of the mouth, throat and stomach.

Carcinogenicity

IARC: Not specifically listed.

ACGIH®: Not specifically designated.

NTP: Not specifically listed.

OSHA: Not specifically listed.

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.

12. ECOLOGICAL INFORMATION

Persistence and Degradability The surfactants in the product are > 90 % biodegradable.

Degradability

Behaviour in Sewage Plants The product does not cause any disruptions of sewage plants. According to the recipe, contains no AOX.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Shipping Information

Regulation	UN No.	Shipping Name	Class	Packing Group
Canadian TDG	3264	Corrosive liquid, acidic, inorganic (Phosphoric acid)	8	III

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)

All ingredients are not specifically listed.

USA

US OSHA Regulatory Status

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

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

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

Additional USA Regulatory Lists

CERCLA: RQ: 5,000 (Phosphoric acid CAS 7664-38-2)

SARA Title III - Section 302: None

SARA Title III - Section 311/312: None

SARA Title III - Section 313: None

New Jersey Right To Know: Substance No. 1516 (phosphoric acid CAS 7664-38-2).

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

Date of Preparation January 2015