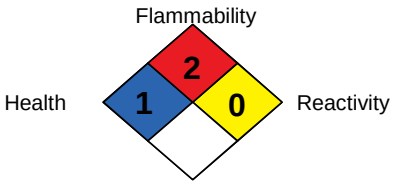
WALTER Surface Technologies

Material Safety Data Sheet

NFPA Hazard Rating



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

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**BOLT-OUT (Liquid)**
Product Identifier	53-D893 (500ml), 53-D897 (20L)
MSDS No.	L-26E
Product Family	Lubricants
Manufacturer / Supplier	J. WALTER CO. LTD, 5977 Trans-Canada Highway, Pointe-Claire, Qc, H9R 1C1, 1-888-592-5837, www.walter.com
Emergency Contact	CANUTEC (Canadian Transport Emergency Centre), (613) 996-6666, 24 hours / 7 days
Information Use	Penetrating lubricant

2. HAZARDS IDENTIFICATION

WHMIS Classification

Class B3

Class D2B

B3 - combustible Liquid; D2B - Toxic

Potential Health Effects

Route of Exposure	Inhalation; skin contact; skin absorption; eye contact; ingestion.
Inhalation	Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.
Skin Contact	There may be irritation and redness at the site of contact.
Eye Contact	There may be irritation and redness.
Ingestion	There may be shortness of breath due to congestion of the lungs. Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. Convulsions may occur.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Kerosene	8008-20-6	> 90	N/Av

4. FIRST AID MEASURES

First Aid Procedures

Inhalation	Move victim to fresh air. Call a Poison Control Centre or doctor if victim feels unwell. If unconscious, remove victim from exposure ensuring one's safety whilst doing so, check for breathing and apply artificial respiration if necessary.

Skin Contact	Immediately flush with lukewarm, gently flowing water for 15-20 minutes.
Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding eyelid(s) open. Transfer to hospital for specialist examination.
Ingestion	Immediately call a Poison Control Centre or doctor. Treatment is urgently required. Transport to a hospital.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Carbon dioxide, dry chemical powder.
Specific Hazards Arising from the Chemical	Forms explosive air-vapour mixture. Extremely flammable. In combustion, emits fumes.
Protective Equipment and Precautions for Firefighters	Wear self-contained respirator. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use the Personal Protective Equipment recommended in Section 8 of this MSDS. Eliminate all ignition sources. Use grounded, explosion-proof equipment.
Environmental Precautions	Do not allow into any sewer, on the ground or into any waterway.
Methods for Containment and Clean-up	Contain spill using noncombustible material such as vermiculite, earth or sand.

7. HANDLING AND STORAGE

Handling	Ensure there is sufficient ventilation in the area. Do not handle in a confined space. Smoking is forbidden.
Storage	Store in an area that is: out of direct sunlight and away from heat and ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	CAS Registry No.	TWA (8hrs)
Kerosene	8008-20-6	100 ppm

Engineering Controls Ensure there is sufficient ventilation in the area.

Personal Protective Equipment (PPE)

Eye/Face Protection	Wear chemical safety goggles.
Skin Protection	Solvent resistant protective clothing. Nitrile Gloves, permeation time > 8 hours.
Respiratory Protection	Self-contained breathing apparatus must be available in case of emergency.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Black
Odour	Characteristic
Boiling Point	>170°C (338°F)
Freezing Point	-10°C (14°F)
Solubility in Water	Insoluble
Density	0,8 g/ml @ 20° (68°F)
Vapour Pressure	< 8hPa
Evaporation Rate	Slow
Flash Point	80°C (176°F)

Lower Flammable/Explosive Limit	0,6%
Upper Flammable/Explosive Limit	80%
Auto-ignition Temperature	>260°C (500°F)
VOC (g/L)	792 g/L

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	Open flames, sparks, static discharge, heat and other ignition sources.
Incompatible Materials	Oxidizing agents (e.g. peroxides).
Hazardous Decomposition Products	In combustion, emits fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Chemical Name	CAS Number	LD50 Rat	LC50 Rat
Kerosene	8008-20-6	5mg/kg	N/Av

Skin Irritation / Corrosion	Human experience shows mild irritation
Eye Irritation / Corrosion	Human experience and animal tests show mild irritation.

12. ECOLOGICAL INFORMATION

Persistence and Degradability	Does not biodegrade readily.
Mobility	Highly volatile. Vapour is heavier than air.

13. DISPOSAL CONSIDERATIONS

Eliminate while respecting municipal, provincial and federal regulations.

14. TRANSPORT INFORMATION

Shipping Information

Canadian TDS: KEROSENE, Class 3, UN1223, PG III.

US DOT CLASSIFICATION (49CFR172.101, 172.102) : KEROSENE, Class 3, UN1223, PG 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)	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 listed on the TSCA Inventory.

Additional USA Regulatory Lists

CERCLA: None
SARA Title III - Section 302: None
SARA Title III - Section 311/312: None
SARA Title III - Section 313: None
New Jersey Right To Know: None
Section 112: Hazardous Air Pollutants (HAPS): None

16. OTHER INFORMATION

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