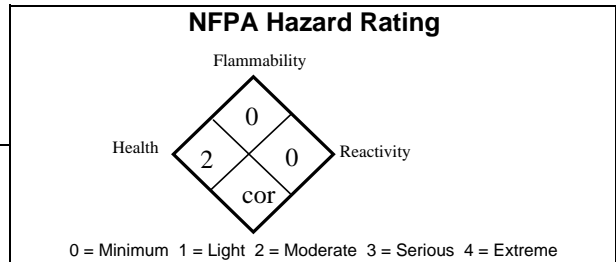


MATERIAL SAFETY DATA SHEET

L-107E



Section 1 - Product Identification

J. WALTER COMPANY LTD. 5977 Transcanada Highway Pointe-Claire, Quebec H9R 1C1 Emergency: CANUTEC (613) 996-6666	Trade name: STAR 200 Product description: Water based alkaline cleaner/degreaser for ferrous alloys Order no.: 53-G 067, 53-G 068, 53-G 069 WHMIS Classification: E, D2B Controlled under WHMIS: Yes	
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Section 2 - Hazardous Ingredients

Ingredients	CAS Number	% by Weight	LD ₅₀ RAT (Oral)	LC ₅₀ RAT
Potassium Hydroxide	1310-58-3	1-5	365 mg/kg	N/Av
Sodium Metasilicate	6834-92-0	1-5	800 mg/kg	N/Av
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	164462-16-2	1-5	>2000 mg/kg	N/Av

Section 3 - Physical / Chemical Characteristics

Physical state: Liquid	Odour & appearance: Characteristic, pale color	Odour threshold: N/A
pH: 13 - 14 (concentrated)	Boiling point: 98°C	Freezing point: 0°C
Density: 1,08 g/ml	Vapour pressure: N/A	Vapour density: N/A
Evaporation rate: N/A	VOC (g/L): 0	Water solubility: Soluble

Section 4 - Fire & Explosion Hazard

Flammability: No Conditions: None Flashpoint: N/A Auto ignition temperature: >300°C Flammable limits (%): Upper: N/A Lower: N/A	Extinguishing media: Foam, dry powder, CO ₂ . Hazardous combustion products: Carbon monoxide and dioxide. Sensitivity to mechanical impact or static discharge: No
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Section 5 - Reactivity Data

Chemical stability: Yes **Conditions:** Normal
Reactivity conditions: N/A
Incompatible substances: Acids
Hazardous decomposition products: Carbon monoxide and dioxide

N/A - Not Applicable

N/Av - Not Available



MATERIAL SAFETY DATA SHEET

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Section 6 - Toxicological Data

Route of entry: Eye and skin contact, ingestion.

Acute exposure effects: Contact with skin, eyes and mucous tissues cause burns.

Chronic exposure effects: Cutaneous sensitization.

Exposure limits (TLV/TWA): N/A

<u>Carcinogenicity</u>	<u>Mutagenicity</u>	<u>Reproductive toxicity</u>	<u>Teratogenicity</u>	<u>Synergistic effects</u>
No	No	No	No	No

If yes to any of the above, specify:

Section 7 - Preventive Measures

Protective equipment:	Eyewear, clothing, gloves.
Handling procedures:	Keep container tightly closed.
Waste disposal methods:	Eliminate according to Municipal, Provincial and Federal regulations.
Leak/spill procedures:	Wipe up with an inert absorbent material. Rinse small quantities with water. Neutralize.
Storage requirements:	Keep container closed. Protect from freezing.
Engineering controls:	N/A
Handling equipment:	N/A
Special shipping information:	Corrosive liquid, basic inorganic, N.O.S. (Potassium hydroxide), Class 8, UN3266, P.G. III

Section 8 - First Aid Measures

Skin contact:	Wash gently and carefully with warm water for 30 minutes or until product is completely off skin. Remove contaminated clothing, shoes and leather articles and wash before re-using. Consult a physician.
Eye contact:	Immediately rinse exposed eyes by maintaining eyelids opened under light warm running water for 30 minutes or until the product is eliminated. Avoid exposing the eyes or face to rinsing water. Consult a physician immediately.
Inhalation:	Remove patient to fresh air.
Ingestion:	Do not induce vomiting. Rinse mouth and drink plenty of water. Consult a physician immediately. Consult a physician if necessary.

Section 9 - Preparation of MSDS

Prepared by: International Product Manager, Chemical Tools
Telephone: 1-888-592-5837
Date: October 12, 2009

This data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

N/A - Not Applicable

N/Av - Not Available

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