

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product Name: DESCALE
ACID CLEANER - CONTAINS HYDROCHLORIC ACID

Chemical Formula: H316

Manufacturer: Hawco Products Limited
61 Shaver Street,
Brantford, Ontario. N3T 5V6

Distributor:

Date prepared: September 4, 2014

Emergency Telephone Number: 1-519-759-2443
Canutec 24 Hour Emergency Phone - 613-996-6666 Cellular *666
TDG CLASSIFICATION: CORROSIVE LIQUIDS, NOS, CONTAINS HYDROCHLORIC ACID, CLASS 8, UN 1760, PG II

Hazard Rating

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 1

PERSONAL PROTECTION: C

SECTION II - INGREDIENTS (disclosed as per 29 CFR 1910.1200)

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>
HYDROCHLORIC ACID	7641-01-0	20-30	5 PPM
SURFACTANT BLEND	NAV	1 - 5	NONE

SECTION III - PHYSICAL DATA

Boiling Point (deg C): 95 - 100
Composite Partial Vapour Pressure (mm Hg @ 25C): FOR HCL GAS 1.27
Solubility in Water: ALL PROPORTIONS
pH (as supplied): LESS THAN 1
Physical State: LIQUID

Specific gravity: 1.12 - 1.13

Color: CLEAR RED

Odor: ACRID ODOR

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: NOT FLAMMABLE
Flash Point (deg C, TCC): NAV
Hazardous combustion products: HCL IS RELEASED WHEN HEATED
Extinguishing Media: NOT FLAMMABLE
Special Fire Hazards: PROTECT AGAINST CORROSIVE LIQUIDS AND VAPORS

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: STABLE - UNDER FIRE CONDITIONS, TOXIC AND CORROSIVE HCL GAS MAY BE RELEASED.
Incompatible Materials: CONTACT WITH MOST METALS CORRODES THEM AND FORMS FLAMMABLE HYDROGEN GAS.
Hazardous decomposition products: TOXIC & CORROSIVE GAS AND VAPOR (HCL) MAY BE RELEASED

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SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: SKIN CONTACT, EYE CONTACT, INHALATION ACUTE, INHALATION CHRONIC, INGESTION

EFFECTS OF ACUTE EXPOSURE:

Eye: SEVERE IRRITATION TO EYES, NOSE AND THROAT.

Skin: SKIN BURNING.

Inhalation (of mist): COUGHING, CHOKING, BURNING TO RESPIRATORY TRACT.

Ingestion: SEVERE BURNS TO MOUTH, THROAT, STOMACH, NAUSEA AND VOMITING.

EFFECTS OF CHRONIC EXPOSURE:

Skin: PROLONGED EXPOSURE TO SKIN MAY CAUSE IRRITATION AND DERMATITIS.

Carcinogenicity: NOT LISTED BY NTP

SECTION VII- PREVENTATIVE MEASURES

Protective gloves: NEOPRENE, PVC

Eye protection: SAFETY GLASSES OR GOGGLES

Respiratory protection: CONC. TO 50 PPM USE RESPIRATOR, ACID GAS CARTRIDGE

Other protective equipment: EYE WASH STATION, SAFETY SHOWER

Engineering controls: LOCAL EXHAUST RECOMMENDED

Leak and Spill Procedure: CONTAIN LEAK OR SPILL. ABSORB ON SAND, ASHES OR GRAVEL. NEUTRALIZE WITH SODA ASH OR SLAKED LIME.

Waste disposal: IN ACCORDANCE WITH LOCAL, PROVINCIAL OR FEDERAL REGULATIONS

Storage Requirements: COOL, DRY AREA, CLOSED CONTAINERS, AWAY FROM HEAT, METALS.

SECTION VIII - FIRST AID

Eye contact: Immediately flush with water for 20 minutes and seek medical attention immediately.

Skin contact: Flush with water for 20 minutes. Remove contaminated clothing. Seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention.

Ingestion: Dilute with 1-2 glasses of water or milk. Seek medical attention.

SECTION IX - PREPARATION DATA OF MATERIAL SAFETY DATA SHEET

Additional information/comments:

Prepared By: HAW

NAP - Not Applicable, NAV - Not Available.

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form.