



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCTION IDENTIFICATION AND USE

MATERIAL IDENTIFIER: BIOSOL NA₃ PART NO: AC-BSNA₃		PRODUCT USE: RUST CALCIUM AND LIME SCALE REMOVER		WHMIS CLASSIFICATION N/A
SUPPLIER'S NAME: ALTACHEM LTD.		DISTRIBUTOR'S NAME:		
STREET ADDRESS 5507 - 76th Ave. NW		STREET ADDRESS		
CITY EDMONTON	PROVINCE ALBERTA	CITY	PROVINCE	
POSTAL CODE T6B 0A7	EMERGENCY TELEPHONE # 1-866-414-1445	POSTAL CODE	TDG CLASSIFICATION NOT REGULATED	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS	% (w/w)	CAS / UN	LD(50) OF MATERIAL SPECIFY SPECIES AND	LC(50) OF MATERIAL SPECIFY SPECIES
ORGANIC SALT	10 - 30 %	N/A	N/A	N/A

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE GAS [] LIQUID [X] SOLID []	ODOUR AND APPEARANCE WATER CLEAR	ODOUR THRESHOLD MILD	SPECIFIC GRAVITY 1.060 +- .02
VAPOUR PRESSURE (mm Hg) N/A	DENSITY (AIR = 1) N/A	BOILING POINT (Deg. C) 212	FREEZING POINT (Deg. C) -5
% VOLATILE (BY VOLUME) <0.03%	SOLUBILITY IN WATER (20 Deg. C) COMPLETE	pH < 1	COEFF. WATER / OIL DISTRIBUTION N/A

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY YES [X] NO [] IF YES, UNDER WHICH CONDITIONS NO			
MEANS OF EXTINCTION WATER OR DRY FOAM			
SPECIAL PROCEDURES N/A			
FLASH POINT (Deg. C) AND METHOD N/A.	UPPER EXPLOSION LIMIT (% BY VOLUME) N/A		LOWER EXPLOSION LIMIT (% BY VOLUME) N/A
AUTO IGNITION TEMPERATURE (Deg. C) N/A	TDG FLAMMABILITY CLASSIFICATION NOT REGULATED		HAZARDOUS COMBUSTION PRODUCTS May liberate oxides of carbon
EXPLOSION SENSITIVITY TO IMPACT DATA: N/A	RATE OF BURNING N/A	EXPLOSIVE POWER N/A	SENSITIVITY TO STATIC DISCHARGE May ignite by static discharge

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY YES [X] NO [] IF NO, UNDER WHICH CONDITIONS? STABLE
INCOMPATIBILITY WITH ITHET SUBSTANCES YES [X] NO [] IF SO, WHICH ONES? HIGH ALKALINE MATERIALS MAY NEUTRALIZE PRODUCT
REACTIVITY AND UNDER WHAT CONDITIONS YES [X] NO [] IF NO, UNDER WHICH CONDITIONS? N/A
HAZARDOUS DECOMPOSITION Thermally degrades, producing toxic gases and vapors such as carbon ,nitrogen, chlorine

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY

SKIN CONTACT [X] SKIN ABSORPTION [] EYE CONTACT [X] INHALATION ACUTE [] INHALATION CHRONIC [X] INGESTION [X]

SKIN CONTACT

Prolonged or repeated contact may cause slight irritation

EYE CONTACT

May cause severe irritation to eyes, visual impairment or complete blindness may result.

INHALATION

N/A

INGESTION

Nausea , stomach cramps, vomiting.

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Some protective equipment required for normal use.

GLOVES (SPECIFY)

Rubber

RESPIRATOR (SPECIFY)

N/A

EYE (SPECIFY)

Chemical goggles or safety glasses

FOOTWEAR (SPECIFY)

N/R.

CLOTHING (SPECIFY)

N/R

OTHER (SPECIFY)

Eye wash station

ENGINEERING CONTROL (SPECIFY)

N/A

LEAK AND SPILL PROCEDURE

Dilute concentrated product with water and flush. Biodegradable..

WASTE DISPOSAL

Product may be diluted and flushed to sewer. Follow local regulations for discharge of waste effluent.

HANDLING PROCEDURES AND EQUIPMENT

When product is used in confined space, the use of proper ventilation is required.

STORAGE REQUIREMENTS

Store in fiberglass, polyethylene or polypropylene containers. Do NOT store in metal container especially aluminum. Store away from sparks, heat and open flames. Storage in metal containers not recommended.

SPECIAL SHIPPING INFORMATION

NOT REGULATED

SECTION 8 - FIRST AID MEASURES

EYE CONTACT

Immediately flush eyes with lots of running water for 15 minutes, lifting upper and lower eye lids occasionally. Do not use ointment. Seek medical attention

SKIN CONTACT

Remove contaminated clothing. Thoroughly wash contaminated skin with mild soap and lots of water. If irritation persists seek medical attention.

INGESTION

No toxic effects are expected, but as a precaution drink a glass of water or milk to dilute. Consult a physician if nausea develops.

INHALATION

Remove to well ventilated area. If breathing becomes difficult administer oxygen, this should be done by a qualified person. Get immediate medical attention.

SOURCES USED

Supplier's MSDS, WHMIS Manual, TDG Manual, CCOHS Database.

ADDITIONAL INFORMATION

SECTION 9 - PREPARATION OF MSDS

PREPARED BY

ALTACHEM LTD.

PHONE NUMBER

1-866-414-1445

DATE

January 1st 2015

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