

SAFETY DATA SHEET (SDS)

1 - IDENTIFICATION

MANUFACTURER: DANA CHEMICALS INC.
3532 GRIFFITH
ST-LAURENT, QUEBEC, CANADA H4T 1A7
WWW.DANACHEMICALS.CA

PRODUCT NAME: **MAXX DET-5**
PRODUCT USE: Heavy-duty machine dishwashing agent
EMERGENCY PHONE NUMBER: 514-731-6836
514-924-6836
514-578-4647

CAS #: N/A (mixture)

2 – HAZARD IDENTIFICATION

Harmful if swallowed
May be corrosive to metals.
Causes severe skin burns and eye damage.



SIGNAL WORD: Danger

HAZARD STATEMENTS: May be corrosive to metals.
Causes severe skin burns and eye damage
Harmful if swallowed

PRECAUTIONARY STATEMENTS:

Keep only in original package.
Store in a corrosion resistant/container with a resistant inner liner.
Do not breathe dusts or mists.
Wear protective gloves/protective clothing/eye and face protection
Wash thoroughly after handling.
Store locked up.
Dispose of contents/container in accordance with local/regional/national regulations.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or

shower]. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Identity</u>	<u>% Concentration</u>
Potassium Hydroxide (CAS 1310-58-3)	10-40
Silicilic Acid, Sodium Salt (CAS 6834-92-0)	10-40

4 – FIRST-AID MEASURES

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IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

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5 – FIRE-FIGHTING MEASURES

FLASH POINT AND METHOD DEG.C: N/A

AUTO-IGNITION TEMPERATURE DEG.C: N/A

FLAMMABLE LIMITS (% IN AIR): N/A

FIRE & EXPLOSION HAZARDS: N/A

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Wear NOISH-approved self-contained breathing apparatus.

6 – ACCIDENTAL RELEASE MEASURES

SPIILLS OR LEAKS: Wear necessary protective clothing. Area will be slippery until cleaned.

Contain the spill. Recover with pump, neutralize and flush with water.

7 – HANDLING AND STORAGE

STORAGE REQUIREMENTS: Do not get in eyes. Store in a cool, dry and well-ventilated area. Keep containers tightly closed. Store away from incompatible materials and sunlight.

HANDLING PROCEDURES: Avoid breathing vapours and prolonged and repeated contact with the skin. Empty containers may contain product residues and should be commercially cleaned before reuse.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION: Chemical resistant goggles with faceshield.

PROTECTIVE CLOTHING: Impervious protective suit and gloves.

RESPIRATORY PROTECTION: Not required under recommended use levels.

VENTILATION: General mechanical ventilation.

PROTECTIVE EQUIPMENT: Maintain eyewash and safety shower nearby.

9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Red, Clear liquid
ODOUR	Odorless
ODOUR THRESHOLD	-
PH OF 1% SOLUTION	11.9 – 12.3 (20°C)
MELTING POINT AND FREEZING POINT	-
INITIAL BOILING POINT AND BOILING RANGE	Approximately 100°C
FLASH POINT	-
EVAPORATION RATE (BUTYL ACETATE =1)	N/A
FLAMMABILITY	N/A
UPPER AND LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not determined
VAPOUR PRESSURE	N/A
VAPOUR DENSITY	N/A
RELATIVE DENSITY (WATER = 1)	1.20 – 1.50 (at 20°C)
SOLUBILITY (IN WATER)	100%
PARTITION COEFFICIENT -- N-OCTANOL/WATER	-
AUTO-IGNITION TEMPERATURE	-
DECOMPOSITION TEMPERATURE	-
VISCOSITY	-

10 – STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Strong acids, organo-halogens, aluminium, zinc, tin, copper

HAZARDOUS DECOMPOSITION: Combustion may produce toxic vapours

HAZARDOUS POLYMERIZATION: None

11 – TOXICOLOGICAL INFORMATION

<u>Chemical Identity</u>	<u>LD50/LC50/T.L.V</u>
Potassium Hydroxide (CAS 1310-58-3)	LD50=365mg/kg(ORAL-RAT)
Silicilic Acid, Sodium Salt (CAS 6834-92-0)	LD50=847mg/kg(ORAL-RAT)

EYE CONTACT: Causes irritation and eye damage

SKIN CONTACT: May cause irritations

INHALATION: May cause discomfort or irritation to nasal and respiratory passages.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SENSITIZATION: Not available.

CHRONIC EFFECTS: Hazardous by WHMIS criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12 – ECOLOGICAL INFORMATION

ECOTOXICITY: No data available

PERSISTENCE AND DEGRADABILITY: No data available

MOBILITY IN SOIL: No data available

13 – DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES / UNUSED PRODUCTS: Dispose of in accordance with all applicable regulations. Empty containers may retain some product residues. This material and its container must be disposed of as per all applicable regulations.

CONTAMINATED DRUMS OR PAILS: If emptied containers contain product residue, they should be disposed of as per all applicable regulations.

14 – TRANSPORT INFORMATION

TDG CLASSIFICATION: CAUSTIC POTASH SOLUTION
UN 1814 , P.G. II , CLASS 8

UN NUMBER: 1814
UN SHIPPING NAME: Caustic Potash Solution

DOT, IATA
CLASS: 8 Corrosive substances
LABEL: 8
PACKING GROUP: II

15 – REGULATORY INFORMATION

WHMIS CLASSIFICATION: E, D-1B, D-2A, D-2B

WHMIS LABELING:



NOTICE:

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16 – OTHER INFORMATION

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