

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION AND USE

Product Identification

Product Name: AquaPow HDT Product Number: OAA102
CAS Number: Blend

Company Identification

NuGeneration Technologies, LLC
100 Professional Center Dr., Suite 101, Rohnert Park, CA 94928 USA
(707) 820-4080 (For product information)
1-800-424-9300 or 1-202-483-7616 (CHEMTREC)

SPECIAL NOTES: Highly alkaline cleaning compound - removes grease, rust, burnt on carbon and silicone oils.

2. HAZARDOUS INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
SODIUM HYDROXIDE	< 80.0 %	1310-73-2

EXPOSURE GUIDELINES: No Information Available.

Canadian Disclosure List: Sodium Hydroxide (1310-73-2)

3. PHYSICAL DATA

FORM: Powder
COLOR: Light tan
ODOR: No odor
BOILING POINT: N/A F
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.24 (Water = 1)
BULK DENSITY: 10.34
MELTING/FREEZING POINT: N/A F
PH: N/A
% VOLATILES: 0 %
VOLATILE ORGANIC COMPOUNDS (VOC) ...: None
PH (5% B.V.): 13.5

INHALATION:

No hazards expected in normal industrial use at room temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. Dust is very irritating to eyes and respiratory tract.

INGESTION:

Corrosive and may cause severe and permanent damage to mouth, throat, and stomach.

SIGNS AND SYMPTOMS OF EXPOSURE:

Exposure may lead to rash or burn.

CHRONIC EFFECTS:

Prolonged and/or repeated contact may produce mild to moderate skin irritation or inflammation and in some cases rashes or burns.

REPRODUCTIVE HAZARDS:

No reproductive hazards.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

MISCELLANEOUS:

Solutions extremely slippery when spilled.

4. FIRE AND EXPLOSION DATA

FLAMMABLE PROPERTIES

COC Flash Point: None TCC Flash Point: None
Auto-ignition Temperature: None

FLAMMABLE LIMITS IN AIR LEL: None UEL: None

EXTINGUISHING MEDIA: Will not burn.

FIRE & EXPLOSION HAZARDS: Material will not burn.

FIRE FIGHTING INSTRUCTIONS: Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

COMBUSTION PRODUCTS: Carbon Monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

5. REACTIVITY DATA

STABILITY: Stable.

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

May corrode copper, aluminum, zinc, and their alloys. Will react with acidic materials (use to neutralize).

DECOMPOSITION:

Decomposition will not occur if handled and stored properly. Product may decompose at temperatures above 270°C and release carbon, nitrogen or oxides.

CONDITIONS TO AVOID:

This material is safe under normal storage and handling conditions. Avoid contact with this material and copper, aluminum, zinc, and their alloys.

COMBUSTION PRODUCTS:

Carbon Monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

6. TOXICOLOGICAL PROPERTIES

EYE: Corrosive, contact causes severe eye burns.

SKIN: Can cause chemical burn.

INHALATION:

No hazards expected in normal industrial use at room temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. Dust is very irritating to eyes and respiratory tract.

INGESTION: Corrosive and may cause severe and permanent damage to mouth, throat, and stomach.

SIGNS AND SYMPTOMS OF EXPOSURE: Exposure may lead to rash or burn.

CHRONIC EFFECTS:

Prolonged and/or repeated contact may produce mild to moderate skin irritation or inflammation and in some cases rashes or burns.

REPRODUCTIVE HAZARDS: No reproductive hazards.

CARCINOGENICITY INFORMATION: No known cancer hazards.

MISCELLANEOUS: Solutions extremely slippery when spilled.

EYE EFFECTS:

Can cause severe eye irritation including burns and or permanent damage.

SKIN EFFECTS: Contact may cause skin irritation, rash or burns.

ACUTE ORAL EFFECTS: No known hazards in normal industrial use.

ACUTE INHALATION EFFECTS: May be irritating if inhaled.

REPRODUCTION AND BIRTH EFFECTS:

There are no known or reported effects on reproductive function or fetal development.

7. PREVENTITIVE MEASURES

RECOMMENDED STORAGE TEMPERATURE

Minimum: 4.4 C (39.9 F) Maximum: 48.9 C (120.0 F)

SHELF LIFE: (in original, sealed containers)

5 years @ 4.4 C 2 years @ 48.9 C

HANDLING (PERSONNEL):

Avoid contact with eyes, skin, and clothing. Empty drums should be completely drained (triple rinsed), properly bunged, and promptly returned to a drum re-conditioner, or properly disposed of. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

HANDLING (PHYSICAL ASPECTS):

Keep container closed to avoid contamination.

STORAGE PRECAUTIONS:

Store in a cool dry place. Do not stack drums more than three pallets high. Store in a tightly closed container.

MISCELLANEOUS:

Do not stack over Two pallets high.

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EYE / FACE PROTECTION REQUIREMENTS:

When splashing of the material may occur, chemical goggles and a face shield are recommended.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contact. Nitrile rubber and PVC are suitable protective materials; Neoprene is recommended. Wash hands thoroughly after handling.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required. At elevated temperatures, > 110 F, ventilation is required.

MISCELLANEOUS:

Where an apron and protective clothing.

SAFEGUARDS (PERSONNEL):

Protect skin and eyes from exposure. Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

Floor may become slippery. Contain spilled material. Wash area to prevent slipping. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

LARGE SPILLS PROCEDURE:

Forms smooth, slippery surfaces on floors, posing an accident risk. Clean up spills immediately, observing precautions in Protective Equipment section. Neutralize spill with a weak acid such as vinegar or acetic acid. Flush spill area with water to wastewater treatment system. After removal, flush contaminated area thoroughly with water. Or, absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container dispose of in an approved sanitary landfill. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE:

Floor may become slippery. Wash with water or absorb spills with inert material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

WASTE DISPOSAL:

Uncleaned empty containers should be disposed of in the same manner as the contents. Dilute or neutralize with acid and discharge to an industrial sewage treatment facility. Or bury in an approved sanitary landfill. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. For additional waste disposal information contact your local NuGenTec representative at (888) 99-NuGen.

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.

CONTAINER DISPOSAL: Containers should be triple rinsed prior to disposal.

8. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop.

Remove from area of exposure. Seek immediate medical attention if respiratory irritation or distress continues.

INGESTION FIRST AID: Give milk or water. Do not induce vomiting. Get medical attention immediately.

STATEMENT OF PRACTICAL TREATMENT:

Always have plenty of water available for first aid.

NOTES TO PHYSICIAN: Treat patient symptomatically.

9. PREPARATION DATE OF MSDS

PREPARED BY: Donato Polignone
APPROVAL DATE: February 12, 2003

PRD NUMBER: OAA102 (Official Copy)
SUPERCEDES DATE: January 19, 2006

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of NuGeneration Technologies, LLC. The data on this sheet are related only to the specific material designated herein. NuGeneration Technologies, LLC assumes no legal responsibility for use or reliance upon these data.

END OF MSDS