

TEST KAIPOW ON TARGET SURFACES FOR COMPATIBILITY

MATERIAL SAFETY DATA SHEET (PREPARED ACCORDING TO 29 CFR 1910,2100) DATE PREPARED: 08/08/2012

SECTION 1 - PRODUCT IDENTIFICATION

Manufacturer: Kaivac, Incorporated
Address: 401 S. Third St., Hamilton, OH 45011
Trade Name: KaiPow
Classification: Sodium Hydroxide Solution; Class 8, UN 1824

Emergency phone: 800-535-5053
Information phone: 800-287-1136
Product type: Mild Alkaline Cleaning Agent

SECTION 2--INGREDIENTS

Sodium Hydroxide	1310-73-2	1 - 10 %
Biodegradable Surfactant	Proprietary	1 - 10 %
Fragrance		Added

SECTION 3- FIRE AND EXPLOSION HAZARD DATA

Flash Point: > 210°F
Flammable explosive limits % By volume: Lower: N/A
Upper: N/A
Fire Extinguishing Media: Use any media suitable for the surrounding fires
Special Fire-Fighting Procedures: Firefighters should wear full protective clothing including a self-contained breathing apparatus. Avoid contact with skin.
Unusual Fire and Explosion Hazard: This product is an aqueous solution which will not burn.

SECTION 4-PHYSICAL DATA

Boiling Point:	> 210°F	Concentrate pH:	11.4	Diluted pH:	10.4 - 11.0
Specific Gravity (Water=1) :	1.05	Appearance:	Green		
Solubility In Water:	Complete	Odor:	Floral		
Melting Point:	Unknown				

SECTION 5- PRODUCT HEALTH HAZARD DATA

Possible Symptoms Of Overexposure: Dry or stinging sensation
EMERGENCY AND FIRST AID PROCEDURES:
Inhalation - Inhalation of mists of concentrated product may cause irritation to the respiratory tract.
Ingestion - Do not induce vomiting. Drink immediately copious amounts of cold water. Vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION IMMEDIATELY.
Skin - Flush concentrate from skin with water then wash contact area with soap and water. Concentrate may defat skin on repeated exposure leading to dermatitis. Seek medical attention if irritation persists.
Eye - Flush eyes with running water for 15 minutes lifting eyelids during the process. Seek medical attention if irritation persists.

SECTION 6- REACTIVITY DATA

Stable: Stable under normal conditions.
Stability Conditions To Avoid: Mixing of concentrate with acid or incompatible materials may cause splattering and release heat. Concentrate may react with some metals forming flammable hydrogen gas. Carbon monoxide gas may form upon contact with reducing sugars or food and beverage products in enclosed spaces.
Incompatibility (Materials To Avoid): May react with acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc, or other alkali sensitive metals or alloys.
Hazardous Decomposition Products: At thermal decomposition products: None known.
Hazardous Polymerization: Will not occur

SECTION 7-SPILL, LEAK OR DISPOSAL PROCEDURES

Waste Disposal Method: Biodegradable. Unused product should be properly diluted and disposed in the sewage system. Dispose of container according to state, federal and local laws.
Precautions In Handling and Storing: Avoid contact of concentrate with eyes, skin, and clothing. Keep container tightly closed and properly labeled. Do not store in aluminum containers or use on aluminum surfaces. Avoid breathing vapors or mists of concentrates of this product. Use product with adequate ventilation. Wash thoroughly after handling.
Other Precautions To Be Taken: None known

SECTION 8-SPECIAL PROTECTION INFORMATION

Ventilation Requirements: Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.
Protective Equipment: Eye - Wear chemical goggles when handling concentrate or diluted materials.
Skin - Wear impervious gloves when handling concentrate. Gloves should be tested if hands become irritated when using diluted materials. Gloves are recommended even when using diluted materials.
Other Protective Precaution: None

HMIS CODES:

Health:	2
Flammability:	0
Reactivity:	1

Packing Group	II	Moderate Corrosivity
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