

DESCRIPTION

Smoke Away is a foam alkaline cleaner. **Smoke Away** is formulated to remove grease and smoke deposits from smoke houses in the packing industry, restaurant exhaust hoods and vents. It can be foamed or used through spray units. The proprietary blend of surfactants provides exceptional foaming and detergency. **Smoke Away** is also an excellent cleaner for fryers, roasters and bakery ovens.

SPECIAL INFORMATION

Smoke Away is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants. Surfaces in direct food contact must be rinsed with potable water.

Keep out of reach of children. Any contact to eyes, skin or inhalation may cause severe irritation and/or burns. Protect eyes and wear protective clothing when handling. Avoid mixing with acids or prolong contact with aluminum, zinc and their alloys.

DIRECTION

For Foam Cleaning:

Use 3-6 oz per US gallon of water (25-45 ml/litre) (1:40-1:22).

Pressure Spray:

Use 3-6 oz per US gallon of water (25-45 ml/litre) (1:40-1:22).

Soak Tanks:

Use 4-7 oz per US gallon of water (32-50 ml/litre) (1:32-1:18).

Manual Cleaning:

Use 2-4 oz per US gallon of water (15-30 ml/litre) (1:64-1:32) and up to 7 oz per US gallon of water (50 ml/litre) (1:18) for heavily soiled surfaces.

PHYSICAL DATA

Appearance	Clear liquid
Color	Dark brown
Foam	High
Odor	Indistinct
pH (4.0%)	13.0 - 13.5

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **SMOKE AWAY**
 Product Use: *Heavy duty carbon cleaner.*

WHMIS CODE: E
 Proper Shipping Name: SODIUM HYDROXIDE SOLUTION
 Hazard Class: Class 8, P.G. II
 UN Number: UN 1824

HMIS	
3	Health
0	Flammability
0	Reactivity
C	Personal

A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

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ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
SODIUM HYDROXIDE	1310-73-2	20.0-30.0	2 mg/m3	2 mg/m3
LD50 (oral rat)	340 mg/kg			
LD50 (dermal)	1350 mg/kg			
LC50	No Data			

SECTION 3 – PHYSICAL DATA

Color and Odor: Clear liquid, mild odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 13.0 +/- 0.5
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.28 @ 20°C
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC) **Sensitivity to Mechanical Impact:** None. **Extinguishing Media:** Not flammable.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Conditions of Flammability: None.
Unusual Fire and Explosion Hazards: Flammable hydrogen gas may liberate upon prolonged sensitive metals (i.e. aluminum, zinc, etc.) in confined areas.
Hazardous Combustion Products: Decomposition may produce oxides of carbon and other unidentifiable organic compounds.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions. **Hazardous Polymerization:** Will not Occur.
Incompatibility (material to avoid): Strong acids.
Hazardous Decomposition Products: Decomposition may produce oxides of carbon and other unidentifiable organic compounds.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation.
Irritancy of Product: Corrosive to skin, eyes and respiratory system. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin damage, or dermatitis, respiratory disorder or lung damage.
Effects of Acute Exposure: Product exposure can cause sever burns or damage to skin and eyes. Inhalation of vapor or mist causes respiratory discomfort such as breathing difficulties, burning, coughing, etc. Ingestion may cause gastrointestinal discomfort, and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: If handling of concentrated product, mist or spray is likely, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Butyl rubber, nitrile, or neoprene gloves.
Eye Protection: Chemical goggles, safety goggles or glasses.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F) and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: 11/27/09
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE