



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

230 SOUTH DEARBORN ST.

CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:

02 NOV 1987

Mr. Brent L. English
611 Park Building
140 Euclid Avenue
Cleveland, Ohio 44114

Re: Summit Equipment and Supply

Dear Brent:

This letter will confirm our conversation of October 23, 1987. Ralph Dollhopf and I informed you that we have approved the plans and specifications relating to a decontamination pad enclosed in your letter to Ellen Carpenter dated September 12, 1987. You agreed that you would use Penetone as the detergent and I am enclosing a Material Safety Data Sheet on this product for your information. You also agreed to notify Ralph in advance of the commencement of installation of the pad.

If you have any questions, please do not hesitate to contact me or Ralph.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jim Thunder".

James Michael Thunder
Assistant Regional Counsel

Enclosure (to be sent later)

cc: Dollhopf

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Sincerely,

James Michael Thunder
Assistant Regional Counsel

Enclosure

cc: Dollhopf

J. Thunder:mt:disk #7:10/27/87

MATERIAL SAFETY DATA SHEET

GENIUM PUBLISHING CORPORATION
1145 CATALYN STREET
SCHENECTADY, NY 12303-1836 USA
(518) 377-8855



NO. 1054
PENETONE 2389
Revision A
DATE March 1984

SECTION I. MATERIAL IDENTIFICATION

MATERIAL NAME: PENETONE (Formerly Wastan HD-210)
DESCRIPTION: A proprietary, strongly alkaline, steam cleaning compound which is diluted with 3 to 20 parts of water for use.
MANUFACTURER: Penetone Corp.
74 Hudson Ave
Tenafly, NJ 07670
Tel. (201) 567-3000

SECTION II. INGREDIENTS AND HAZARDS

Sodium Hydroxide (MSDS #3A)
Wetting Agent
Chelating Agent
Coupling Agent
Water

%	HAZARD DATA
10	TLV 2 mg/m ³ *
3	None Established
15	None Established
2	None Established
Remainder	

*Current OSHA and ACGIH (1983) TLV.

SECTION III. PHYSICAL DATA

Boiling point at 1 atm, deg F ----- 212 Specific gravity (H₂O=1) --- 1.154
Completely soluble in water pH (Concentrate) ----- >13.5
Volatiles, % by volume (as water mixture) -- 80 pH (10% solution) ----- 13.0

Appearance & Odor: Clear, colorless liquid; no odor.

SECTION IV. FIRE AND EXPLOSION DATA

Flash Point and Method	Autoignition Temp.	Flammability Limits in Air	Lower	Upper
			N/A	N/A
None	N/A	N/A		

Extinguishing media: Use that which is appropriate for surrounding materials in a fire situation. Use water spray to prevent pressure rupture of containers in a fire situation. No unusual fire or explosion hazard with this material. It contains about 15% of combustible material in alkaline water solution. Firefighters should be made aware of the strongly alkaline nature of this material.

SECTION V. REACTIVITY DATA

This is a stable material which does not polymerize. The concentrate is strongly alkaline (pH >13) and incompatible with strong acids.
It may attack aluminum, zinc, galvanized metals, tin, and may soften and strip certain paints and finishes.
Thermal-oxidative degradation products (after water evaporation) can include SO_x and CO.

NO. 1054

SECTION VI. HEALTH HAZARD INFORMATION		TLV 2 mg/m ³ (as NaOH)
<p>This material on repeated or prolonged contact with skin can cause irritation, dermatitis, and severe burns. Eyes can be irritated and severely damaged by short contact. Inhaled mist can irritate tissue of the entire respiratory tract. Handle as a 10% solution of sodium hydroxide.</p> <p>FIRST AID:</p> <p><u>Eye Contact:</u> Flush thoroughly with running water for at least 15 min., including under eyelids. Contact physician! (Speed in flushing may save sight!)</p> <p><u>Skin Contact:</u> Flush contact area thoroughly with water; Remove contaminated clothing, under safety shower for gross contamination. Get medical help if large skin area contacted or if irritation persists.</p> <p><u>Inhalation:</u> If mist is inhaled, remove from exposure. Get prompt medical attention.</p> <p><u>Ingestion:</u> Give diluted vinegar or citrus juice to drink. Get medical help! Do not induce vomiting. Follow with milk or olive oil, or egg whites and water.</p>		
SECTION VII. SPILL, LEAK, AND DISPOSAL PROCEDURES		
<p>Those involved in clean-up of significant spills need protection against contact with liquid and inhalation of mist. Hazard from this material lies mainly in the 10% sodium hydroxide content of the concentrate. Neutralization with dilute acid or NaHSO₄ needed before disposal. Pick up as a slurry with sand for disposal or flush to holding area.</p> <p>DISPOSAL: Neutralized, absorbed material can be landfilled. Neutralized liquid, if allowable, can be flushed to the sewer with lots of water dilution. Follow Federal, State and Local regulations. Disposal of cleaning effluent requires processing to control contaminants. (May contain oils, greases, tars, sludges, etc.)</p>		
SECTION VIII. SPECIAL PROTECTION INFORMATION		
<p>When using this product for steam cleaning, use general and local exhaust ventilation to prevent breathing of excessive levels of alkaline mist or fume.</p> <p>Rubber gloves and safety glasses and/or facemask should be used. Additional protective clothing as required by conditions (e.g. apron, boots, etc.) should be used to prevent skin contact. Contaminated clothing should be laundered before reuse.</p> <p>An eyewash station, washing facilities and safety shower should be readily available to locations of handling or use of this strongly alkaline material.</p> <p>Enclosed spray booth is best suited for process work.</p>		
SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS		
<p>Store in well-sealed original container which is protected from physical damage. Avoid handling conditions which may lead to spills. Store away from strong acids.</p> <p>Prevent contact with eyes. Avoid contact with skin or clothing. Do not take internally! Workers using this material must be educated as to the hazards of this strongly alkaline material. Use caution in handling the concentrate to prepare working dilutions. Follow label instructions.</p>		
DATA SOURCE(S) CODE: 1		
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