

# MATERIAL SAFETY DATA SHEET

Manufactured by:

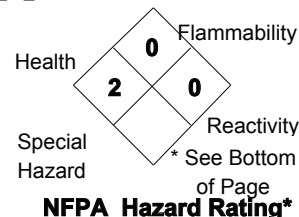
**Anderson**

**Chemical Company**

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LITCHFIELD, MINNESOTA 55355  
(320) 693-2477

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**Product Name: Invade**



**24-HOUR EMERGENCY PHONE #: 1-800-424-9300 (CHEMTREC)**

**Revised:** 12/03/2012 **Imt**  
**Supersedes:** 5/2/2011

## I. IDENTIFICATION

### Chemical Name And Synonyms:

Not applicable

### DOT Shipping Name

Compounds, Cleaning Liquid  
(Potassium Hydroxide)

### Chemical Family:

Not applicable

### DOT Hazard Class & I.D. Number

Corrosive Material NA1760

**# PG**  
8 III

## II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Potassium hydroxide	1310-58-3	<3	2 mg/M3		NA	Corrosive to skin and eyes.
Tetrapotassium pyrophosphate	7320-34-5	<15	NE	NE	NA	Eye, skin, and respiratory tract irritant.
Trade Secret	TSRN 8810		NE	NE	NA	Causes eye burns. Causes skin and respiratory tract irritation.
Trade Secret	TSRN 7050		NE	NE	NA	May be slightly irritating to skin and eyes.

\*\*Toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR §372).

NA: Not applicable  
NE: Not established

## III. PHYSICAL DATA

**Boiling Point:** About 212° F.

**Specific Gravity:** 1.240

**Appearance:** Clear, blue liquid

**Form:** Liquid

**pH, 1% Soln.:** 10.0

**Solubility In Water:** Complete

**Odor:** Lemon

## IV. FIRE AND EXPLOSION HAZARD DATA

**Flashpoint:** Not Applicable

**Extinguishing Media:** Not applicable. Use media appropriate to surrounding fire.

**Special Fire Fighting Procedures:** Although this product is not combustible, if a fire occurs in the near vicinity, good firefighting practice dictates the use of self-contained breathing apparatus and other protective gear.

**Unusual Fire And Explosion Hazards:** None known.

## V. HEALTH HAZARD DATA

**Carcinogenic:** The raw materials used in the product are not considered to be a carcinogen by ACGIH, IARC, NTP, and OSHA.

**Effects Of Over-exposure:** Eye and skin irritant. Prolonged contact may cause permanent damage to eyes. May be harmful if ingested. May cause irritation/burns to mouth and esophagus, nausea, vomiting and diarrhea.

**Emergency And First Aid Procedures:** Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

**Skin:** Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.

**Ingestion:** Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

\* NFPA/HMIS Degree or Hazard: 4 = Extreme; 3 = High; 2 = Moderate; 1 = Slight; 0 = Insignificant.

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HMIS A. Safety Glasses B. Safety Glasses, Gloves C. Safety Glasses, Gloves, Apron D. Face Shield, Gloves, Apron E. Safety Glasses, Gloves, Apron, Dust Respirator F. Safety Glasses, Gloves, Apron, Dust Respirator G. Safety Glasses, Gloves, Vapor Respirator H. Splash Goggles, Gloves, Apron, Vapor Respirator I. Safety Glasses, Gloves, Vapor and Dust Respirator J. Splash Goggles, Gloves, Apron, Vapor and Dust Respirator K. Air Line, Hood or Mask, Gloves, Full Suit, Boots X. Ask your supervisor for guidance.

## VI. REACTIVITY DATA

**Stability - Unstable:** **Stable: x**

**Conditions To Avoid:** Store separately from acids.

**Incompatibility:** Strong acids and strong oxidizing agents  
(Materials to Avoid)

**Hazardous Decomposition Products:** Under fire conditions, oxides of phosphorus, carbon, sodium, and potassium.

## VII. SPILL OR LEAK PROCEDURES

### Steps To Be Taken In Case Material Is Released Or Spilled:

Small spills can be diluted with a large amount of water and flushed to sanitary sewer. For large spills, absorb with an inert absorbent. Sweep or vacuum up and place in an appropriate container for disposal. Flush spill area with water. Wear appropriate protective clothing.

**Waste Disposal Method:** Dispose according to local, state and federal regulations.

## VIII. SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** Respiratory protection is not required for normal use. If mist level is high, wear NIOSH approved respirator.

**Ventilation:** Should be adequate to keep mist level below the TLV.

**Protective Gloves:** For prolonged and repeated contact, rubber or chemical resistant gloves

**Eye Protection:** Eye protection is recommended.

**Protective Clothing:** When prolonged or frequently repeated contact could occur, use gloves and long-sleeved clothing.

## IX. SPECIAL PRECAUTIONS

### Precautions To Be Taken In Handling And Storing:

Avoid contact with eyes, skin and clothing. Do not ingest. Wash thoroughly after handling. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored. Keep containers closed when not in use. Store in cool, dry area that is well ventilated.

**Other Precautions** Safety shower and eyewash station should be provided in the areas where this product is handled.

## X. REVISED INFORMATION

**MSDS Status:** Review with no changes