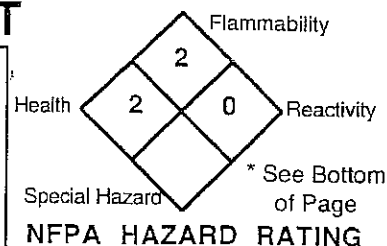


# MATERIAL SAFETY DATA SHEET

Distributed By:

**HILLYARD, INC.**

302 N. Fourth St.  
St. Joseph, Missouri 64502



Product Name: **Hardness Indicator 2**

ANDPTK 6025

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

## I. IDENTIFICATION

Chemical Name And Synonyms:

DOT Shipping Name  
Not applicable

Chemical Family:

DOT Hazard Class & I.D. Number  
Not applicable

# PG

## II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Hydroxylamine Hydrochloride	5470-11-1	<10	NA	NA	NA	Very Toxic ; causes burns when wet
Isopropanol	67-63-0	<5	400 ppm	400 ppm	NA	Moderately Toxic ; flammable
Calmagite	3147-14-6	<1	NA	NA	NA	May be irritating to eyes and respiratory tract
Propylene Glycol	57-55-6	To 100	NA	NA	NA	May cause irritation

\*\*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

## III. PHYSICAL DATA

Boiling Point: 118 C  
Specific Gravity: 1.01  
Appearance: Clear, Dark red

Form: Liquid  
Solubility In Water: Complete  
Odor: Fruity

## IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 78.3 F

Extinguishing Media: Alcohol Foam

Special Fire

Fighting Procedures: This material may produce flammable vapors. Avoid excessive heat, sparks and flames.

Unusual Fire And

Explosion Flammable; may emit toxic fumes

## V. HEALTH HAZARD DATA

Carcinogenic: The raw materials used in this product are not considered to be a carcinogen by ACGIH and OSHA.

Effects Of Over-exposure: May cause eye burns, may be irritating to skin.

Emergency And First

Aid Procedures:

INGESTION: Do not induce vomiting. Give large quantities of water. Give at least 1 ounce of milk of magnesia in an equal amount of water or the whites of three eggs. Never give anything by mouth to an unconscious person. Call a physician.  
EYES: Flush immediately with water for at least 15 minutes. Get medical attention.  
SKIN: Flush with water. Remove contaminated clothing. If irritation persists, get medical attention.  
INHALATION: Remove to fresh air.

**VI. REACTIVITY DATA**

Stability - Unstable ☐

Stable: ☒

Conditions To Avoid:

Incompatibility: Keep away from oxidizers.  
(Materials To Avoid)

Hazardous

Decomposition Products: May emit toxic fumes of carbon monoxide and carbon dioxide in fire.

**II. SPILL OR LEAK PROCEDURE**

To Be Taken In Case Material Is Released Or Spilled:

Remove all sources of ignition. Cover contaminated areas with soda ash or sodium bicarbonate. Mix and add water if necessary. Use litmus paper to make sure pH of slurry is neutral or add neutralizer until mixture stops bubbling. Scoop up the slurry and wash the neutral waste down the drain with excess water. Wash the site with soda ash solution.

Disposal Method: Dispose of in accordance with Federal, state and local regulations.

**III. SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Not applicable

Ventilation: Adequate general

Protective Gloves: Disposable

Eye Protection: Lab grade goggles

Protective Clothing: Lab coat

**IV. SPECIAL PRECAUTION**

Precautions To Be Taken In Handling And Storing:

Avoid contact with eyes and skin. Do not breathe vapor. Wash thoroughly after handling.

Other Precautions:

**V. REVISED INFORMATION**

MSDS Status:

Revised: 12/4/1995 kma

Supersedes: 12/7/1992

The opinions expressed herein are those of qualified experts within ANDERSON Chemical Company. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of ANDERSON Chemical Company, it is the user's obligation to determine the conditions of safe use of the product.