

MATERIAL SAFETY DATA SHEET

Decal Chemical Corp

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Tallman, NY 10982

EMERGENCY PHONE NUMBERS
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Nitrical®

DATE OF ISSUE

March 11, 2004

PRODUCT DESCRIPTION

Decalcifying Reagent

TRADE NAMES

Nitrical®

MANUFACTURER

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FORMULATION

Proprietary

INGREDIENTS

5,000,000 OHM deionised water

CAS #7732-18-5

Nitric Acid, Semiconductor Grade, A.C.S.

CAS # 7697-37-2

HAZARDOUS INGREDIENTS

Nitric Acid, Reagent grade, A.C.S.

CAS # 7697-37-2

Meets A.C.S. Purity specifications

NFPA HAZARD CLASSIFICATIONS

Health 1 (Hazardous)

Fire 0 (Will not burn)

Reactivity 0 (Stable)

BOILING POINT

103 Degrees Celsius (est)

SOLUBILITY

Completely miscible in water.

APPEARANCE

Clear, colorless liquid

ODOR

Slight

FLASH POINT

Extinguishes Flame

FIRE PROCEDURES

Toxic gases may be generated in fire situation.

Breathing apparatus recommended.

THRESHOLD LIMIT VALUE

None. Material is an aqueous organic.

REACTIVITY

Stable

INCOMPATIBILITY

May be corrosive to some metal parts.

Avoid excessive heating.

Avoid prolonged contact with skin.

IN CASE OF SPILLS

Flush with water to dilute. Sodium bicarbonate (baking soda, soda ashe) may be used to neutralize and soak up liquid.

DISPOSAL METHODS

Dispose of in accordance with local regulations for dilute (less than 10%) Nitric Acid solutions.

PRECAUTIONS

Do not store in direct sunlight.

Follow label directions carefully!

Avoid temperatures above 100 deg. F.

STORAGE

Equip storage area for ventilation in case of spills.

PROTECTIVE EQUIPMENT

Ventilation: recommended

Protective gloves: Neoprene or rubber

EYE PROTECTION

Chemical safety goggles

Other: Impervious apron and boots, eye bath, safety shower

FIRST AID

EYES: Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician at once.

SKIN: Immediately flush with water for at least 15 minutes. Call a physician. If clothing comes in contact with the product, the clothing should be removed immediately and should be laundered before re-use.

INGESTION: Immediately drink large quantities of water. DO NOT induce vomiting. Call a physician at once. DO NOT give anything by mouth if the person is unconscious or having convulsions.

DOT Labeling / Shipping Requirements

None

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