

## Material Safety Data Sheet (MSDS) for DIP CLEAN 2

### IDENTIFICATION OF SUBSTANCE

#### Product Details

Trade Name: Dip Clean 2

Manufacturer/Supplier: The Eraser Company, Inc.

Tel: (315)-454-3237 Fax: (315) 454-

3090

#### EMERGENCY INFORMATION:

**CHEMTREC 24-Hour Emergency Telephone Number**  
(800) 424-9300

**CHEMTREC 24-Hour Emergency Telephone Number**  
(Out side the United States and Canada)  
(703) 527-3887

### COMPOSITION/DATA ON COMPONENTS

#### Chemical Characterization

Description: Mixture of the substances listed below with nonhazardous additions:

Dangerous Components:

**12125-02-9** ammonium chloride (CAS# 12125-02-9); 5-10% by wt.

### HAZARDS IDENTIFICATION

**Information Pertaining to particular dangers for man and environment:** The product has to be labeled due to the calculation procedure of international guidelines.  
Harmful if swallowed.

#### Classification System:

**NFPA ratings (scale 0-4)**

HEALTH=1

FIRE=0

REACTIVITY=0

**HMIS ratings (scale 0-4)**

HEALTH=1

FIRE=0

REACTIVITY=0

### FIRST AID MEASURES

**After Inhalation:** Supply fresh air and seek medical advice.

**After Skin Contact:** Immediately wash with water and soap, rinse thoroughly.

**After Eye Contact:** Rinse opened eye for several minutes under running water and seek medical advice.

**After Swallowing:** Drink ample amounts of water and provide fresh air. Immediately seek medical attention.

### FIRE FIGHTING MEASURES

**Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards caused by material, its products of combustion resulting gases. In case of fire the following can be released;**  
Carbon Monoxide (CO)      Carbon Dioxide (CO<sub>2</sub>)

**Protective Equipment:** Wear self-contained respiratory protective device.

### ACCIDENTAL RELEASE MEASURES

**Person Related Safety Precautions:** Ensure adequate ventilation.

Wear protective clothing.

**Measures for Environmental Protection:** Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.

**Measures for Cleaning/Collecting:** Use neutralizing agent. Absorb with clay, dry sand or other inert material. Do not use combustible materials such as sawdust. Place in a chemical waste container.

### HANDLING & STORAGE

**Information for Safe Handling:** Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

**Information about protection against explosions and fires:** Keep respiratory protective device available.

#### Storage

Requirements to be met by storerooms and receptacles;

1. No special requirements.

Information about storage in one common storage facility;

1. Not required.

Further instructions about storage conditions: Store in cool, dry conditions in well sealed receptacles. Protect from frost.

### EXPOSURE CONTROLS & PERSONAL PROTECTION

**Additional information about design of technical systems:**

1. No further data.

Components with limit values that require monitoring at the workplace:

**12125-02-9 ammonium chloride**

REL

TLV

Short-term value: 20mg/m<sup>3</sup>

Short-term value:

20mg/m<sup>3</sup>

Long-term value: 10mg/m<sup>3</sup>

Long-term value:

10mg/m<sup>3</sup>

**General Personal Protective & Hygienic Measures:** Keep away from foods, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and the end of work. Avoid contact with eyes and skin.

#### Personal Protective Equipment

**Breathing Equipment:** When ventilation is not sufficient to remove fumes from the breathing zone, a safety approved respirator or self-contained breathing apparatus should be worn.

**Protection of Hands:** Rubber or Vinyl protective gloves. Eye Protection; tightly sealed goggles. Safety glasses.

### PHYSICAL & CHEMICAL PROPERTIES

#### General Information

**Form:** Liquid    **Color:** Red    **Odor:** Mild

**Change in condition:** Melting Point/Melting Range: Undetermined  
Boiling Point/Boiling Range: 100 °C (212 °F)

**Flash Point:** Not applicable.

**Danger of Explosion:** Product does not present any explosion hazard.

**Vapor Density at (air=1):** >1 Density to 1.07, pH to: 1-1.5

# MSDS for DIP CLEAN 2

## STABILITY & REACTIVITY

**Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.

**Materials to be Avoided:** Strong acids, strong oxidizers.

**Dangerous Reactions:** No dangerous reactions known.

**Dangerous Products of Decomposition:** Carbon monoxide and carbon dioxide.

## TOXICOLOGICAL INFORMATION

**Primary Irritant Effect:** On the skin; Caustic effect on mucous membranes. On the eyes; Strong irritant with the danger of severe eye injury through inhalation.

Flux fumes during soldering may cause irritation and damage of the mucous membranes and the respiratory system. Through Ingestion; May be harmful if swallowed.

**Sensitization:** No sensitizing effects known.

## ECOLOGICAL INFORMATION

**General Notes:** Do not allow product to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Rinse off of bigger amounts into drains or aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product in aqueous waste, emptied into drains, is only low water dangerous.

## DISPOSAL CONSIDERATIONS

**Product:** Recommendation; must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Empty Containers:** Recommendation; Rinse thoroughly. Disposal must be made according to official regulations.

## TRANSPORTATION INFORMATION

### DOT Regulations

Non-Regulated

Proper Shipping Name: Cleaning Compound, liquid, non-regulated

### Land Transport IMDG (cross border)

Non-Regulated

Proper Shipping Name: Cleaning Compound, liquid, non-regulated

### Maritime Transport IMDG

Non-Regulated

Proper Shipping Name: Cleaning Compound, liquid, non-regulated

### Air Transport ICAO-TI and IATA-DGR

Non-Regulated

Proper Shipping Name: Cleaning Compound, liquid, non-regulated

## REGULATIONS

**USA** The following information related to product regulation specific to the USA.

SARA (Superfund Amendments and Reauthorization Act)

**Section 355** (Extremely hazardous substances). None of the

ingredient is listed.

**Section 313** (Specific toxic chemical listings). None of the ingredients is listed.

TSCA (Toxic Substances Control Act)

**All ingredients listed.**

California Proposition 65 - Chemical known to cause cancer.

**WARNING:** This product may contain a chemical in trace amounts known to the State of California to cause cancer.

**75-21-8 ethylene oxide 123-91-1 1,4-dioxane**

Chemicals known to cause reproductive toxicity:

**75-21-8 ethylene oxide**

**Carcinogenicity Categories**

EPA (Environmental Protection Agency) None of the ingredients listed.

IARC (International Agency for Research on Cancer)

None of the ingredients listed.

NTP (National Toxicology Program) None of the ingredients listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients listed.

**CANADA:** The following information relates to product regulation specific to Canada.

**Workplace Hazardous Materials Identification (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

**Components on Ingredient List for WHMIS**

Ammonium Chloride Citric Acid

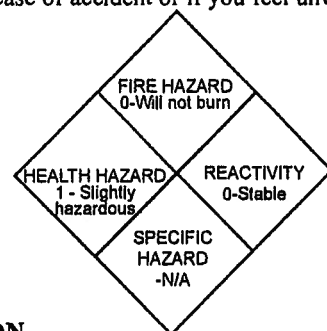
**European Union:** The following information related to product regulation specific to the directives of the European Union.

**Risk Phrases:** Harmful if swallowed.

**Safety Phrases:** Keep locked up and out of reach of children.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell,

## Health Hazard Data



## OTHER INFORMATION

The information contained herein is based on data considered accurate and is offered solely for information, consideration and investigation. The Eraser Company, Inc. extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any purchaser's use. The data on this Material Data Sheet relates only to this product and does not relate to use with any other material or in any process. All chemical products should be used only by, or under the direction of, technically qualified personnel who are aware of the hazards involved and the necessity for reasonable care in handling. Hazard communication regulations require that employees must be trained on how to use a Material Safety Data Sheet as a source for hazard