

# SAFETY DATA SHEET

Product Name : DeOx 964

Date Issued : May 1, 2024

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** DeOx 964  
**Formula :** Multi-component mixture

**Chemical Synonym / C# :** c964  
**Chemical Family:** Mild acid

**Supplier :** Atlantic Specialty Chemical Co. 317 Godwin Ave. Midland Park, NJ 07432  
**Information Telephone :** (201)251-2711 or **Emergency Telephone :** (855) 347-8203

## SECTION 2 : HAZARD IDENTIFICATION

**Form :** Powder **Color :** Clear, colorless

**Emergency Overview :** Solutions and powders are severe eye irritants, and prolonged or repeated contact may cause skin irritation. Dusts and mists are irritating to the skin, mucous membranes, and upper respiratory tract. Read the entire SDS for a more thorough evaluation of the hazards.

**OSHA Hazard Communication Standard :** This product has been evaluated and classified as defined by OSHA Hazard Communication Standard, 29CFR 1910.1200.

**GHS Classification :**

Eye Irritation (Category 2A Irritant)

Skin Irritation (Category 2 Irritant)

**Label Elements :**

**Signal Word :** Warning



**GHS Hazard Pictograms :**

Exclamation Mark

**Hazard Statements :**

- H303 May be harmful if swallowed
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation

**Precautionary Statements :**

- P102 Keep out of reach of children.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P281 Use personal protective equipment as required.
- P301+ 312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304 + 312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 IF eye irritation persists: Get medical advice/attention.
- P302 + 351 IF ON SKIN Rinse cautiously with water for several minutes.
- P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

**Other hazards which do not result in classification :**

None known. See Section 11 for Potential Health Hazards

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## SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)
Citric Acid	77-92-9	50

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

## SECTION 4 : FIRST AID MEASURES

**Eye Contact:** Immediately flush contacted area repeatedly with water for at least 15 minutes, holding eyelids open. Contact a physician for treatment.

**Skin Contact:** Immediately flush contacted area repeatedly with water for at least 15 minutes. If irritation persists, contact a physician for treatment. Clean contaminated clothing before reuse.

**Inhalation:** Move victim to fresh air. If irritation persists, seek medical attention.

**Ingestion:** Vomiting may result if sufficient quantity is swallowed. Seek medical attention. Do not induce vomiting. If conscious, give several glasses of water or milk, or any dilute solution of any soluble calcium or magnesium salt.

**Notes to physician :** treat symptomatically. No specific antidote available. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## SECTION 5 : FIRE FIGHTING MEASURES

**Extinguishing Media:** None required.

**Fire Fighting Procedures:** Use caution when fighting any fire. Adequate respiratory protection is essential.

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

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

**Personal precautions :** Use suitable protective equipment (See Section 8 : "Exposure controls / personal protection").

**Steps to be taken in case material is released or spilled:**

**Small Spill:** Absorb with suitable absorbent such as sand or vermiculite.

**Large Spill:** Stop leak at source and contain spill with dike made of inert material such as sand or diatomaceous earth. Pump material to suitable container for possible reuse.

**Solid spill:** Sweep up and return to container.

## SECTION 7 : HANDLING AND STORAGE

**Handling:** Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. In cold weather, liquids may stratify and freeze. This does not damage the product. If freezing occurs, thaw and remix before using. Frozen material may be thawed in a warm room. Avoid localized overheating. Vent drums while heating. Mix thoroughly to assure homogeneity. Handle with care. Wash thoroughly after handling.

**Storage Requirements:** Keep container closed. Store in an area that is dry and well-ventilated, away from incompatible materials (see section 10). For Industrial and commercial use only!

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## SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredient	ACGIH TLV (mg/m3) TWA	ACGIH TLV (mg/m3) STEL
Citric Acid	-	-

### Engineering measures :

**Ventilation / Local Exhaust :** General room ventilation.

**Ventilation / Mechanical Recommendations:** None required.

### Personal protective equipment :

**Respiratory Protection:** Not required for properly ventilated areas.

**Skin Protection:** Vinyl or rubber protective gloves.

**Eye Protection:** Goggles or face shield.

**Other Protective Equipment:** Vinyl apron (optional).

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

**Appearance / Odor:** Clear liquid, odor nil.

**Water Solubility:** complete

**Specific Gravity:** 1.24

**Evaporation Rate(water=1):** N/A

**Vapor Density(air=1) :** N/A

**Flash Point :** None

**Flammable Limits: LEL = N/A UEL = N/A**

**pH (1%):** 2 - 3

**Boiling Point (°F) :** 212+

**% Volatile:** N/A

**Vapor Pressure(mmHg):** N/A

**Flash Point Method Used:** N/A

## SECTION 10 : STABILITY AND REACTIVITY

**Hazardous Decomposition Products:** None.

**Chemical Stability:** Stable.

**Conditions to Avoid:** Splashing solutions, prolonged skin contact.

**Incompatibility with other Substances:** Strong bases and oxidizing agents.

**Hazardous Polymerization:** Will not occur.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### Potential Health Hazards (as mild acid or detergent blend) :

**Inhalation:** Inhalation of mists or dusts may cause irritation to respiratory tract. Symptoms from excessive inhalation or of concentrated product may include gasping or coughing and difficulty breathing. Excessive contact may cause damage to the nasal septum.

**Skin Contact:** May cause mild irritation. Concentrated or prolonged contact may cause irritation with redness and blistering.

**Eye Contact:** May cause mild irritation. Concentrated or prolonged contact may cause conjunctival edema and corneal destruction.

**Ingestion:** Swallowing may produce gastrointestinal upset. Symptoms from ingestion of large doses may include severe abdominal pain, vomiting, and diarrhea.

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**Toxicological Data:** Toxicological studies were not performed on the blended product, although it is considered to be a severe eye irritant, and moderately irritating to the skin.

**Carcinogenicity:** This product does not contain any materials considered to be carcinogenous according to OSHA, NTP, IARC, or ACGIH.

## **SECTION 12 : ECOLOGICAL INFORMATION**

**Exotoxicological Information:** No data found for this blended product.

## **SECTION 13 : DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Neutralize spent solutions to an acceptable pH level. Allow oils to separate and decant if possible. Detergent portion is 100% biodegradable. Recycle, recovery and reuse of materials, where permitted, is encouraged as an alternate to disposal as a waste. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics. Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste. RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: *Ignitability, Corrosivity, Reactivity, and Toxicity*. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed.

**Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No**  
**If yes, the RCRA ID number is : N/A**

## **SECTION 14 : TRANSPORTATION INFORMATION**

**Transportation Emergency Telephone Number:** 3E 24 hour number : (855) 347-8203

**UN Number / DOT Proper Shipping Name / DOT Hazard Class /Packing Group / DOT Label & other information:** NOT REGULATED BY DOT (mildly acidic cleaning liquid NOIBN)

## **SECTION 15 : REGULATORY INFORMATION**

### **US FEDERAL REGULATIONS :**

**TSCA (Toxic Substances Control Act) Status :** TSCA (United States) The intentional ingredients of this product are listed.

**CERCLA RQ - 40 CFR 302.4(a) :** none

**SARA 302 Components - 40 CFR 355 Appendix A :** none

**SARA 311/312 Classification - 40 CFR 370.2 :** meets the following categories :  
none known

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**SARA 313 Components - 40 CFR 372.65:** This product does not contain any chemicals subject to reporting requirements.

## **INTERNATIONAL REGULATIONS :**

None known

## **STATE REGULATIONS :**

**California Safe Drinking Water Act (Prop. 65) Listing :** None listed.

**Other Regulations / Legislation which apply to this product:** None known.

## **SECTION 16 : OTHER INFORMATION**

**NFPA Rating :** HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0  
NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

**Revision Date :** 5/1/2024

*Information and data compiled to compose this SDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.*