



J.T. Baker Inc.
 222 Red School Lane
 Phillipsburg, NJ 08865

24-Hour Emergency Telephone 908-859-2151
 National Response Center 800-424-8802
 Chemtrec 800-424-9300

National Response In Canada
 CANUTEC 613-996-6666

Outside U.S. and Canada
 Chemtrec 202-483-7616

MATERIAL SAFETY DATA SHEET

FICHE
 SIGNALÉTIQUE

HOJAS DE DATOS
 DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

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 Effective: 03/09/92

Zinc

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J.T.BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

SECTION I - PRODUCT IDENTIFICATION

Product Name: Zinc
 Common Synonyms: Blue Powder; CI 77945; CI Pigment Black 16
 Chemical Family: Metals
 Formula: Zn
 Formula Wt.: 65.39
 CAS No.: 7440-66-6
 NIOSH/RTECS No.: ZG3600000
 Product Use: Laboratory Reagent
 Product Codes: 4264, 4290, 5828, 4270, 4240, 4244, 4248, 4252, 4260, 4274, 4270, 4252

PRECAUTIONARY LABELING

BAKER SAF-T-DATA* System

HEALTH	FLAMMABILITY	REACTIVITY	CONTACT
0 NONE	1 SLIGHT	2 MODERATE	0 NONE

Laboratory Protective Equipment



U.S. Precautionary Labeling

During use avoid contact with eyes, skin, clothing. Wash thoroughly after handling. When not in use keep in tightly closed container.

International Labeling

Avoid contact with eyes. After contact with skin, wash immediately with plenty of water. Keep container tightly closed.

SAF-T-DATA* Storage Color Code: Orange (general storage)



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SECTION IV - FIRE AND EXPLOSION HAZARD DATA (CONTINUED)

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Unusual Fire & Explosion Hazards

Dust may form explosive mixture with air. Reacts with most acids to produce hydrogen gas, which can form an explosive mixture with air.

Toxic Gases Produced

zinc fumes, hydrogen

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

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SECTION V - HEALTH HAZARD DATA

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Threshold Limit Value (TLV/TWA): Not Established

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): Not Established

Toxicity of Components

No information is available

Carcinogenicity: NTP: No IARC: No Z List: No OSHA Reg: No

Carcinogenicity

None identified.

Reproductive Effects

None identified.

Effects of Overexposure

INHALATION: irritation of upper respiratory tract, headache, nausea, vomiting, diarrhea, chills, fever, aching muscles

SKIN CONTACT: prolonged contact may cause dermatitis

EYE CONTACT: none identified



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SECTION V - HEALTH HAZARD DATA (CONTINUED)

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SKIN ABSORPTION: none identified

INGESTION: headache, nausea, vomiting, dizziness, gastrointestinal irritation

CHRONIC EFFECTS: none identified

Target Organs

respiratory system, lungs, pulmonary system, skin

Medical Conditions Generally Aggravated by Exposure

respiratory system disease, gastrointestinal disorders

Primary Routes of Entry

inhalation, ingestion, skin contact, eye contact

Emergency and First Aid Procedures

INGESTION: If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.

INHALATION: If a person breathes in large amounts, move the exposed person to fresh air.

SKIN CONTACT: In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

EYE CONTACT: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SARA/TITLE III HAZARD CATEGORIES and LISTS

Acute: Yes Chronic: Yes Flammability: No Pressure: No Reactivity: No

Extremely Hazardous Substance: No

CERCLA Hazardous Substance: Yes Contains Zinc (RQ = 1000 LBS)

SARA 313 Toxic Chemicals: Yes Contains Zinc

Generic Class: Generic Class Removed from CFR: 7/1/91

TSCA Inventory: Yes



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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

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Domestic (D.O.T.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)

International (I.M.O.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)
Marine Pollutants: No

AIR (I.C.A.O.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)

U.S. Customs Harmonization Number: 79011200001

N/A = Not Applicable or Not Available
N/E = Not Established

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, Baker cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Baker warrants that the chemical meets the specifications set forth on the label. BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Baker will periodically revise this Material Safety Data Sheet.

Note: CHEMTREC, CANUTEC, and NATIONAL RESPONSE CENTER emergency telephone numbers are to be used ONLY in the event of CHEMICAL EMERGENCIES involving



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 Approved by Quality Assurance Department.