

20855 - 04

Effective:

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

03/09/92

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

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.

Zinc

Page: 1

Issued: 07/10/93

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:

Formula Wt.:

65.39

CAS No.:

7440-66-6

NIOSH/RTECS No.: ZG8600000

Product Use: Product Codes: Laboratory Reagent

4264,4290,5828,4270,4240,4244,4248,4252,4260,4274,4270,4252

PRECAUTIONARY LABELING

BAKER SAF-T-DATA\* System

FLAMMABILITY

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

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

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

Continued on Page:



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Outside U.S. and Canada Chemtrec 202-483-7616 MATERIAL SAFETY DATA SHEET

FICHE SIGNALÉTIQUE HOJAS DE DATOS DE SEGURIDAD

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Page: 2 Zinc 20855 - 04Issued: 07/10/93 03/09/92 Effective: The same with th SECTION II - COMPONENTS OSHA/PEL Weight % Component Zinc SECTION III - PHYSICAL DATA Vapor Pressure (mmHq): N/A Boiling Point: 907°C (1664°F) (at 760 mm Hg) Vapor Density (air=1): N/A Melting Point: 419°C (786°F) (at 760 mm Hg) Evaporation Rate: N/A Specific Gravity: 7.14  $(H_{2}0=1)$ % Volatiles by Volume: 0 Solubility(H<sub>2</sub>O): Negligible (<0.1%) (21°C) pH: N/A Physical State: Solid Odor Threshold (ppm): N/A Coefficient Water/Oil Distribution: N/A Appearance & Odor: White to brown metallic solid. Odorless. SECTION IV - FIRE AND EXPLOSION HAZARD DATA Flash Point (Closed Cup): N/A

Fire Extinguishing Media

Flammable Limits:

Autoignition Temperature: N/A

Upper - N/A

Use extinguishing media appropriate for surrounding fire. WARNING -Application of water to hot metal may generate steam.

<u>Special Fire-Fighting Procedures</u>

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Lower - N/A



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Z0855 - 04

Effective: 03/09/92

Zinc

Page: 3

Issued: 07/10/93

SECTION IV - FIRE AND EXPLOSION HAZARD DATA (CONTINUED)

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.

SECTION V - HEALTH HAZARD DATA

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

INHALATION:

None identified.

<u>Effects of Overexposure</u>

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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Z0855 - 04

Effective:

03/09/92

Zinc

Page: 4

Issued: 07/10/93

\$\\ \text{star}\$ \\ \text{time}\$ \\ \text{time SECTION U - HEALTH HAZARD DATA (CONTINUED)

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

scap 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

Yes

Contains Zinc (RQ = 1000 LBS)

CERCLA Hazardous Substance: SARA 313 Toxic Chemicals:

Contains Zinc Yes

Generic Class:

Generic Class Removed from CFR:

TSCA Inventory:

Yes



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Z0855 -04 Effective: 03/09/92	Zinc	Issued:	Page: 5 07/10/93
	SECTION UI REACTIVITY DATA		
Stability: Stable	Hazardous Polymerization	: Will not	cocur
Conditions to Avoid:	moisture, dusting		
Incompatibles:	strong acids, strong bases, strong ox water, halogenated hydrocarbons	kidizing a	igents,
Decomposition Products:	oxides of zinc, hydrogen		
SECTION	ON VII - SPILL & DISPOSAL PROCEDURES		
Wear suitable protec Disposal Procedure	e Event of a Spill or Discharge ctive clothing. Carefully sweep up ance with all applicable federal, state ations.		
- 	VIII - INDUSTRIAL PROTECTIVE EQUIPMEN	T	
Ventilation:	Use adequate general or local exhaust keep fume or dust levels as low as po		ion to
Respiratory Protection:	None required where adequate ventilatexist. If airborne concentration is appropriate respirator or dust mask.	ion condi high, use	tions an
Eye/Skin Protection:	Safety goggles, proper gloves are rec	commended.	
SECTION I	X - STORAGE AND HANDLING PRECAUTIONS		
	or Code: Orange (general storage)		
Storage Requirements Keep container tight	tly closed. Suitable for any general	chemical	storage

area. Isolate from incompatible materials.



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HOJAS DE DATOS **DE SEGURIDAD** 

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Zinc

Page: 6

Issued: 07/10/93

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

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,)

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

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 Depending on usage, protective clothing including eye and application. 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. 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

Continued on Page: 7

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Zinc

Page: 7

Issued: 07/10/93

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Approved by Quality Assurance Department.