



Three Rivers Area Enterprise Park
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Three Rivers, Michigan USA 49093-9287

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MSDS FOR KDF® 55 PROCESS MEDIUM
KDF 55C PROCESS MEDIUM
KDF 55F PROCESS MEDIUM
KDF 5503 PROCESS MEDIUM
KDF 5511 PROCESS MEDIUM
KDF 5509 PROCESS MEDIUM

SECTION I - GENERAL INFORMATION

NAME: BRASS POWDER

TRANSPORTATION EMERGENCY: CHEMTREC: 800-424-9300

MANUFACTURER: KDF FLUID TREATMENT, INC.

300 Frankfort Road
Monaca, PA 15061
724-774-1020

900 Delaware Ave.
Palmerton, PA 18071
610-826-8604

TRADE NAME AND SYNONYMS: None

CHEMICAL FAMILY: Metal Alloy Powder

CAS NO.: See Below

FORMULA: Cu/Zn

DOT HAZARD CLASS: Not Listed

UN NO: NAIF*

NA NO: NAIF*

ISSUE DATE: 03/15/88

REVISION DATE: 02/17/06

*NAIF- No Applicable Information Found

SECTION II - INGREDIENTS

<u>MATERIAL</u>	<u>CAS NO.</u>	<u>%</u>
<u>COPPER</u>	7440-50-8	48-51
<u>ZINC</u>	7440-66-6	49-52

*KDF product as delivered is not regulated.

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EFFECTS OF SHORT TERM OVEREXPOSURE:

COPPER (FUME): Excessive inhalation of copper fumes can produce an acute reaction known as “metal fume fever.” Symptoms consist of chills and fever (very similar to and easily confused with flu symptoms) which come on a few hours after large exposures.

ZINC: Inhalation of high levels of zinc vapor (zinc oxide fumes) may result in tightness of chest, metallic taste, cough, dizziness, fever, chills, headache, nausea, and dry throat. Overexposure may produce symptoms known as metal fume fever or “zinc shakes”; an acute, self-limiting condition without recognized complications. Symptoms of metal fume fever include: chills, fever, muscular pain, nausea and vomiting.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Inhalation of dust may be an irritant to pre-existing respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES: Symptoms resulting from inhalation overexposure usually disappear within 24 hours. Symptomatic treatment, such as bed rest and possibly aspirin is recommended to provide relief from fever and chills. Eye contact - flush areas with copious amounts of water. Skin contact - thoroughly wash affected areas with water. In all cases, consult physician for medical attention.

EFFECTS OF LONG TERM OVEREXPOSURE:

COPPER (FUME): Chronic exposure to copper may result in anemia, but chronic poisoning does not occur.

ZINC: Chronic exposure to zinc may cause respiratory tract irritation with nasopharyngitis and laryngitis.

CARCINOGENIC ASSESSMENT:

NTP? No

IARC MONOGRAPH? No

OSHA? No

SECTION VI - REACTIVITY DATA

STABILITY: Unstable
 Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: May occur
 Will not occur

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SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid dusting; metal should be contained for recycling.

WASTE DISPOSAL METHOD: Contain in a dry, closed container. Material may be recycled or disposed of in accordance with Federal, State and Local Environmental Regulations. This material may be regulated under CERCLA, TSCA, SARA, and /or RCRA Regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Use NIOSH/MSHA approved type respirator against dusting conditions.

VENTILATION: Local exhaust or other ventilation that will reduce dust concentrations to less than permissible exposure limits.

PROTECTIVE GLOVES: Recommended to prevent skin irritation.

EYE PROTECTION: Use safety eyewear for protection against airborne particulate matter.

OTHER PROTECTIVE EQUIPMENT: Barrier creams may help prevent skin irritation in hypersensitive individuals.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, well-ventilated space, separate from acids and alkalis.

OTHER PRECAUTIONS: Practice good personal hygiene when working in areas where this material is used.

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