

# M S D S

# Material Safety Data Sheet



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## Nuclear Fast Red, Powder

### SECTION 1 PRODUCT IDENTIFICATION

NAME: Nuclear Fast Red, Powder  
EKI ORDER NUMBER: 7709  
SYNONYMS: Kernechtrot  
CAS NO: 6409-77-4  
FORMULA:  $C_{14}H_9NO_7S-Na$   
REVISION DATE: April 26, 2004

#### \*\*\*\*LABEL HAZARD STATEMENT AND PRECAUTIONS\*\*\*\*

CAUTION! MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION. THE HAZARDOUS PROPERTIES OF THIS SUBSTANCE HAVE NOT BEEN FULLY ESTABLISHED. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

### SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

| INGREDIENT<br>----- | CAS NO<br>----- | OSHA PEL<br>----- | ACGIH TLV<br>----- |
|---------------------|-----------------|-------------------|--------------------|
| Nuclear Fast Red    | 6409-77-4       | Not established   | Not established    |

### SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

|                                       |                    |
|---------------------------------------|--------------------|
| SOLUBILITY IN WATER: 1-10%            | BOILING POINT: N/I |
| VAPOR PRESSURE: N/I                   | VAPOR DENSITY: N/I |
| SPECIFIC GRAVITY: N/I                 | MELTING POINT: N/I |
| EVAPORATION RATE: N/I                 |                    |
| APPEARANCE AND ODOR: Odorless powder. |                    |

### SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLAMMABLE LIMITS (UPPER AND LOWER): Does not apply  
EXTINGUISHING MEDIA: Suitable for surrounding fire.  
SPECIAL FIRE FIGHTING PROCEDURES: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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## SECTION 5 REACTIVITY DATA

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STABILITY: Stable

CONDITIONS TO AVOID: N/I

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, nitrogen oxides, and sulfur oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

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## SECTION 6 HEALTH HAZARD DATA

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ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:

INHALATION: May cause irritation to the respiratory tract.

SKIN CONTACT: May cause irritation, with redness and pain.

EYE CONTACT: May cause irritation, redness and pain.

SKIN ABSORPTION: May be absorbed through the skin with possible systemic effects.

INGESTION: May cause irritation to the gastrointestinal tract.

CHRONIC: N/I

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/I

CARCINOGENICITY: None

### \*\*\*\*FIRST AID PROCEDURES\*\*\*\*

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms occur.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention!

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## SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

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STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area of leak or spill. Sweep up and containerize for disposal. Wet sweeping may be used to avoid dust dispersal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

STORAGE: Store tightly closed at 15-30C, out of direct sunlight.

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## SECTION 8 CONTROL MEASURES

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VENTILATION: Local or general to keep personnel exposure as low as possible.

RESPIRATORY PROTECTION: Dust-mist respirator.

EYE PROTECTION: Chemical goggles

GLOVES: Chemical gloves

OTHER PROTECTIVE CLOTHING: Lab coat

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