



MATERIAL SAFETY DATA SHEET
COMPLIES WITH 29 CFR 1910.1200.
OSHA HAZARD COMMUNICATION RULE

DATE OF LAST REVISION: 11-22-99

CHEMICAL IDENTITY

LABEL IDENTITY	RHENIUM
FORMULA	Re
CHEMICAL FAMILY	METAL
HAZARDOUS INGREDIENTS: %: 100	TLV/PEL: ND CAS # 7440-15-5

PHYSICAL AND CHEMICAL PROPERTIES

COLOR, FORM AND ODOR	Silver-grey metal, no odor
BOILING POINT	5900 (°C)
DENSITY (gm/cc)	21.04
VAPOR PRESSURE @ 20°	NA
% VOLATILE BY VOLUME (%)	NA
REACTION WITH WATER	NA
EVAPORATION RATE (H2O=1)	NA
SOLUBILITY IN WATER	Insoluble
MELTING POINT	3100 (°C)
SPECIFIC GRAVITY (H2O=1)	21.04
OTHER	ND

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	NA
AUTOIGNITION TEMPERATURE (°C)	NA
FLAMMABILITY	NA
EXTINGUISHING MEDIA	NA
SPECIAL FIRE FIGHTING PROCEDURES	Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.
UNUSUAL FIRE & EXPLOSION HAZARDS	Moderate hazard in form of dust exposed to heat or flame.

HEALTH HAZARD INFORMATION

TOXICITY DATA: **Unknown. Handle with care until more data is available.**

THRESHOLD LIMIT VALUE:	NA
ROUTES OF ENTRY	NA
EFFECTS OF OVEREXPOSURE (acute and chronic): INHALATION: No data.	



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DERMAL/EYE: **No data.**

OTHER: **No data.**

CARCINOGENICITY: **ND** NTP: **ND** IARC MONOGRAPHS: **ND** OSHA REGULATE: **ND**

EMERGENCY FIRST AID PROCEDURES:

INGESTION: **Induce vomiting. Seek medical attention.**

INHALATION: **Remove victim to fresh air. Administer oxygen. Seek medical attention.**

SKIN CONTACT: **Brush material off skin. Wash affected area with soap and water.**

EYE CONTACT: **Flush eyes with water for 15 minutes. Seek medical attention**

REACTIVITY DATA

STABILITY

Stable

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing materials

HAZARDOUS DECOMPOSITION PRODUCTS

None known

HAZARDOUS POLYMERIZATION

Will Not Occur

CONDITIONS TO AVOID

None known

SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wearing full protective clothing, isolate the area and insure proper ventilation.

Vacuum up spill and place in a container for proper disposal.

WASTE DISPOSAL METHOD:

In accordance with regulations.

SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION

NIOSH/MSHA approved respirator

LOCAL EXHAUST

Acceptable

MECHANICAL (general)

Acceptable

OTHER

Maintain sink, safety shower and eye wash fountain in the work area. Wear full protective clothing at all times

PROTECTIVE GLOVES

Recommended

EYE PROTECTION

Safety glasses with side shields



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SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING/STORAGE: **Store in tightly closed containers in a cool, dry place. Wash hands and face thoroughly.**

TRANSPORTATION REQUIREMENTS	DOT CLASS:	Non-hazardous
	UN NUMBER:	ND
	IMCO CLASS:	ND
	OTHER:	ND

PRECAUTIONARY LABELING	NONE
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NA= NOT APPLICABLE

ND= NO DATA FOUND