MATERIAL SAFETY DATA SHEET

Dirhenium heptasulphide

Version No.	1.0	**SDS reference number:**	xxx
Initial issue date:	xx-xx-xxxx	**Revision date:**	xx-xx-xxxx

SECTION 1. IDENTIFICATION OF SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER
SUBSTANCE NAME: **DIRHENIUM HEPTASULPHIDE**

EC NO.: 234-882-5

IUPAC NAME: Rhenium heptasulfide

REACH REGISTRATION NO.: **TO BE ADDED BY COMPANY**

CAS NO.: 12038-67-4

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST
RELEVANT IDENTIFIED USES: Use as an intermediate under strictly controlled conditions

USES ADVISED AGAINST: None identified

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET: **TO BE ADDED BY COMPANY**
MANUFACTURER/SUPPLIER:

ADDRESS:

COUNTRY:

TELEPHONE NUMBER:

FAX NUMBER:

EMAIL ADDRESS OF COMPETENT PERSON RESPONSIBLE FOR THE SDS:
1.4 EMERGENCY TELEPHONE NUMBER: **TO BE ADDED BY COMPANY**

SECTION 2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.1.1 CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008 (CLP/GHS)

Not classified

2.1.2 CLASSIFICATION ACCORDING TO EC DIRECTIVE 67/548/EEC

Not classified

2.1.3 ADDITIONAL INFORMATION

2.2 LABEL ELEMENTS:

PICTOGRAM(S): None required

SECTION 2. HAZARDS IDENTIFICATION

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Not classified

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Not classified

2.1.3 ADDITIONAL INFORMATION

2.2 LABEL ELEMENTS:

SIGNAL WORD:	None required
HAZARD STATEMENT(S):	None required
PRECAUTIONARY STATEMENT(S):	None required

2.3 OTHER HAZARDS

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS-NO	EINECS/ELINCS	WEIGHT % CONTENT
Dirhenium heptasulphide	12038-67-4	234-882-5	**TO BE ADDED BY COMPANY**

SECTION 4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL NOTES:	No data
FOLLOWING INHALATION:	No data
FOLLOWING SKIN CONTACT:	No data
FOLLOWING EYE CONTACT:	No data
FOLLOWING INGESTION:	No data
SELF PROTECTION OF THE FIRST AIDER	No data
4.2 MOST IMPORTANT EFFECTS/SYMPTOMS:	No data
4.3 IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:	No data

SECTION 5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:	No data
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	No data

SECTION 5. FIREFIGHTING MEASURES

5.3 ADVICE FOR FIRE FIGHTERS: No data

ADDITIONAL INFORMATION: No data

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: No data

6.2 ENVIRONMENTAL PRECAUTIONS: No data

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: No data

6.4 REFERENCE TO OTHER SECTIONS:

SECTION 7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES: No data

INFORMATION ABOUT FIRE- AND EXPLOSION PROTECTION: No data

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: No data

REQUIREMENTS TO BE MET BY STOREROOMS AND VESSELS: No data

INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY: No data

FURTHER INFORMATION ABOUT STORAGE CONDITIONS: No data

7.3. SPECIFIC END USE(S): Use as an intermediate under strictly controlled conditions.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROLS PARAMETERS: The usual precautionary measures are to be adhered to when handling chemicals.

DNELs	WORKERS				CONSUMERS			
ROUTE OF EXPOSURE	ACUTE EFFECT LOCAL	ACUTE EFFECT SYSTEMIC	CHRONIC EFFECT LOCAL	CHRONIC EFFECT SYSTEMIC	ACUTE EFFECT LOCAL	ACUTE EFFECT SYSTEMIC	CHRONIC EFFECT LOCAL	CHRONIC EFFECT SYSTEMIC
Oral	Not required					No data	No data	No data
Inhalation	No data	No data	No data	No data	No data	No data	No data	No data
Dermal	No data	No data	No data	No data	No data	No data	No data	No data

PNECs

Freshwater: No data

Freshwater sediment: No data

Marine water: No data

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Marine sediment	No data
Intermittent releases	No data
STP	No data
Soil	No data
Air	No data
Secondary poisoning	No data
8.2 EXPOSURE CONTROLS:	No data
8.2.1 APPROPRIATE ENGINEERING CONTROLS:	No data
8.2.2 PERSONAL PROTECTION:	No data
a) EYE PROTECTION:	No data
b) SKIN PROTECTION:	No data
c) RESPIRATORY PROTECTION:	No data
d) BODY PROTECTION:	No data

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Solid, crystals
COLOUR:	Brown-black
ODOUR:	No data
pH:	No data
BOILING POINT AND BOILING RANGE:	No data
MELTING/FREEZING POINT:	No data
FLASH POINT:	Not applicable
FLAMMABILITY:	Non-flammable
EVAPORATION RATE:	No data
VAPOUR PRESSURE:	No data
DENSITY:	4.87 g/cm^3 at 20ºC
WATER SOLUBILITY:	No data
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not applicable
AUTO-IGNITION TEMPERATURE:	No data
DECOMPOSITION TEMPERATURE:	No data
VISCOSITY:	No data
EXPLOSIVE PROPERTIES:	Non-explosive
OXIDISING PROPERTIES:	Non-oxidising

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.2 OTHER INFORMATION:

SECTION 10. STABILITY AND REACTIVITY

10.1 REACTIVITY:	**TO BE ADDED BY COMPANY**
10.2 CHEMICAL STABILITY:	**TO BE ADDED BY COMPANY**
10.3 POSSIBILITY OF HAZARDOUS REACTIONS:	**TO BE ADDED BY COMPANY**
10.4 CONDITIONS TO AVOID:	**TO BE ADDED BY COMPANY**
10.5 INCOMPATIBLE MATERIAL:	**TO BE ADDED BY COMPANY**
10.6 HAZARDOUS DECOMPOSITION PRODUCTS:	**TO BE ADDED BY COMPANY**

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:	No data
SKIN IRRITATION OR CORROSION:	No data
SERIOUS EYE DAMAGE/IRRITATION:	No data
RESPIRATORY OR SKIN SENSITISATION:	No data
MUTAGENICITY:	No data
CARCINOGENICITY:	No data
REPEATED DOSE TOXICITY:	No data
REPRODUCTIVE TOXICITY:	No data

SECTION 12. ECOLOGICAL INFORMATION

12.1 TOXICITY:

ACUTE TOXICITY:	Algae (OECD 201, *D. subspicatus*):	EC50	72 h	248.81	mg/L
	Invertebrates (OECD 202, *D. magna*):	EC50	48 h	>109.24	mg/L
	Fish (*D. rerio*):	No data			
	Microorganisms:	No data			
	Other organisms:	No data			
CHRONIC TOXICITY:		No data			

Ecotoxicity results are read across from sodium rhenate, and results expressed as concentration of dirhenium heptasulphide.

12.2 PERSISTENCE AND DEGRADABILITY:	Not applicable
12.3 BIOACCUMULATIVE POTENTIAL:	No data

SECTION 12. ECOLOGICAL INFORMATION

12.4 MOBILITY IN SOIL:	No data
12.5 PBT/VPVB ASSESSMENT:	No data
12.6 OTHER ADVERSE EFFECTS:	

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:	
13.1.1 PRODUCT DISPOSAL:	No data
13.1.2 PACKAGING DISPOSAL:	No data

SECTION 14. TRANSPORT INFORMATION

14.1 UNITED NATIONS (UN) NUMBER:	**TO BE ADDED BY COMPANY**
14.2 UN PROPER SHIPPING NAME:	**TO BE ADDED BY COMPANY**
14.3 TRANSPORT HAZARD CLASS(S):	**TO BE ADDED BY COMPANY**
14.4 PACKING GROUP:	**TO BE ADDED BY COMPANY**
14.5 ENVIRONMENTAL HAZARDS:	**TO BE ADDED BY COMPANY**
14.6 SPECIAL PRECAUTIONS FOR USER:	**TO BE ADDED BY COMPANY**
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:	**TO BE ADDED BY COMPANY**

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:	The product is classified in accordance with EC Regulation 1272/2008 (CLP).
15.2 CHEMICAL SAFETY ASSESSMENT:	Not applicable

SECTION 16. OTHER INFORMATION

FURTHER INFORMATION:	The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)
SOURCES OF DATA:	IUCLID dataset
DATE OF ISSUE:	xx-xx-xxxx