

MATERIAL SAFETY DATA SHEET

Sodium rhenate

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: SODIUM RHENATE
EC No.: 236-742-9
IUPAC NAME: Sodium oxido-trioxorhenium

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

CAS No.: 13472-33-8

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: MANUFACTURER/SUPPLIER:

TO BE ADDED BY COMPANY

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:

Labelling in accordance with Regulation EC No 1272/2008 (CLP)

PICTOGRAM(S): None required

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
Sodium rhenate	13472-33-8	236-742-9	≥80% (w/w)

SECTION 4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL NOTES: None

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

FOLLOWING SKIN CONTACT: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

FOLLOWING EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

FOLLOWING INGESTION: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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: Note to physician: Consider endoscopy in all suspected cases of sodium carbonate poisoning. Perform blood analysis to determine if dehydration, acidosis, or other electrolyte imbalances occurred.

SECTION 5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: No data.

5.3 ADVICE FOR FIRE FIGHTERS: Use protective clothing and breathing equipment appropriate for the surrounding fire.

ADDITIONAL INFORMATION: Not considered to be a fire hazard. Not considered an explosion hazard.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section "Handling and storage".

6.2 ENVIRONMENTAL PRECAUTIONS: No data.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Containerize for reclamation or disposal.

6.4 REFERENCE TO OTHER SECTIONS: See section 7 for handling and storage.

SECTION 7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING PROTECTIVE MEASURES: Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

INFORMATION ABOUT FIRE- AND EXPLOSION PROTECTION: No data.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: REQUIREMENTS TO BE MET BY STOREROOMS AND VESSELS: Keep in a tightly closed container.

INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY: Isolate from incompatible substances.

FURTHER INFORMATION ABOUT STORAGE CONDITIONS: Store in a cool, dry, ventilated area.

7.3. SPECIFIC END USE(S): Use as an intermediate.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROLS PARAMETERS:

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

Marine sediment: No data

Intermittent releases: No data

STP: No data

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Soil	No data
Air	No data
Secondary poisoning	No data
8.2 EXPOSURE CONTROLS:	
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, crystalline
COLOUR:	White
ODOUR:	No data
pH:	9.4 (0.1% aqueous solution)
BOILING POINT AND BOILING RANGE:	No data
MELTING/FREEZING POINT:	300°C at 101.325 kPa
FLASH POINT:	Not applicable
FLAMMABILITY:	Non-flammable
EVAPORATION RATE:	No data
VAPOUR PRESSURE:	Not applicable
DENSITY:	5.39 g/cm ³ at 20°C
WATER SOLUBILITY:	1000 g/L at 20°C
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not applicable
AUTO-IGNITION TEMPERATURE:	No data
DECOMPOSITION TEMPERATURE:	No data
VISCOSITY:	Not applicable
EXPLOSIVE PROPERTIES:	Not explosive
OXIDISING PROPERTIES:	Not oxidising

9.2 OTHER INFORMATION:

SECTION 10. STABILITY AND REACTIVITY

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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, <i>D. subspicatus</i>):	ErC50	72 h	227.7	mg/L
	Invertebrates (OECD 202, <i>D. magna</i>):	EC50	48 h	>100	mg/L
	Fish:	No data			
	Microorganisms:	No data			
	Other organisms:	No data			
CHRONIC TOXICITY:	Algae (OECD 201, <i>D. subspicatus</i>):	NOEC	72 h	50	mg/L
12.2 PERSISTENCE AND DEGRADABILITY:	Not applicable				
12.3 BIOACCUMULATIVE POTENTIAL:	No data				
12.4 MOBILITY IN SOIL:	No data				
12.5 PBT/vPvB ASSESSMENT:	Not applicable				
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 INFORMATION14.1 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

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