

MATERIAL SAFETY DATA SHEET

CENTRE FOR STANDARDS
ADDRESS : HARELBEKESTRAAT 72
9000 GENT
BELGIUM

SECTION I : IDENTITY

COMMON NAME	SODIUM TAUROCHOLATE BRP
COMPOSITION	spray dried ox bile containing mainly sodium taurocholate, sodium glycocholate and other conjugated cholates
ORIGIN	ox
CAS NUMBER	8008-63-7
EINECS NUMBER	232-369-0

SECTION II : HAZARDOUS INGREDIENTS

The toxicological properties have not been thoroughly investigated. Exercise due care. May be harmful by inhalation, ingestion or skin absorption.

SECTION III : PHYSICAL DATA

APPEARANCE	greenish-brown powder
ODOUR	characteristic and disagreeable
MELTING POINT	approx. 230°C (decomposes)
BOILING POINT	n/a
SPECIFIC GRAVITY (H ₂ O = 1)	n/a
VAPOR PRESSURE (mm Hg)	n/a
PERCENT VOLATILE BY VOLUME (%)	n/a
VAPOR DENSITY (AIR = 1)	n/a
EVAPORATION RATE	n/a
SOLUBILITY IN WATER	Freely soluble
FLASH POINT	n/a
EXTINGUISHING MEDIA	Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials
AUTO-IGNITION TEMPERATURE	n/a

n/a = not applicable

SECTION IV : FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	n/a
EXTINGUISHING MEDIA	Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.
SPECIAL FIRE FIGHTING PROCEDURES	As with all fires, evacuate personnel to safe area. Fire fighters should use self-contained breathing equipment and protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS	This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential build-up of static electricity. When heated to decomposition material emits toxic fumes. Emits toxic fumes under fire conditions.
FLAMMABLE LIMITS	LOWER n/a UPPER n/a
STABILITY	() Unstable (x) Stable
HAZARDOUS DECOMPOSITION PRODUCTS	When heated to decomposition material emits toxic fumes of NO_x , SO_x , and Na_2O . Emits toxic fumes under fire conditions.
HAZARDOUS POLYMERIZATION	() May Occur (x) Will Not Occur

SECTION V : HEALTH HAZARD DATA

TRESHOLD LIMIT VALUE	None established
EFFECTS OF OVEREXPOSURE	Possible allergic reaction to dust if inhaled, ingested or in contact with skin. Can cause allergic skin reaction, and allergic respiratory reaction. Repeated breathing of dust could cause allergic rhinitis and/or bronchial asthma.
ACUTE	Eye, skin and/or respiratory tract irritation
CHRONIC	Possible hyper sensitization, dermatitis

PRECAUTIONS TO CONSIDER

Persons developing hypersensitivity (anaphylactic) reactions must receive immediate medical attention. Avoid prolonged or repeated contact with skin. Material may be irritating to mucous membranes and respiratory tract. As a general rule, when handling FIP Reference Standards avoid all contact and inhalation of dust, fumes, mist, and/or vapours associated with the material. Keep container tightly closed and use with adequate ventilation; wash thoroughly after handling. Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their individual hazards may be uncharacterized or unknown.

EMERGENCY AND FIRST AID PROCEDURES

Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity reactions must receive immediate medical attention. Upon eye or skin contact, flush affected area with copious quantities of water. Use general supportive measures. Obtain medical attention. If not breathing give artificial respiration. If breathing is difficult give oxygen.

1. INHALATION

May cause irritation of respiratory tract. Avoid inhalation. Remove to fresh air.

2. EYES

May cause irritation. Flush with copious quantities of water.

3. SKIN

May cause irritation. Flush with copious quantities of water.

4. INGESTION

May cause irritation. Flush out mouth with water.

SECTION VI : SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION**

(SPECIFY TYPE)

Anti-dust mask

VENTILATION

Adequate

LOCAL EXHAUST

Recommended

MECHANICAL (GENERAL)

Recommended

OTHER

n/a

PROTECTIVE GLOVES

Impervious/chemically compatible

EYE PROTECTION

Safety goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Protect exposed skin, appropriate laboratory apparel

SECTION VII : SPILL OR LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN handled	Store in tight container. This material should be
IN HANDLING AND STORAGE	and stored per label and other instructions to ensure product integrity.
OTHER PRECAUTIONS	Avoid contact with eyes, skin or clothing. Avoid breathing dust or mist. Use with adequate dust control. Wash thoroughly after handling. Wear fresh clothing daily. Wash contaminated clothing before reuse. Do not permit eating, drinking or smoking near material.
STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR Place	Wear approved respirator and chemically compatible gloves. Vacuum or sweep up spillage. Avoid dust.
RELEASED	spillage in appropriate container for waste disposal. Wash contaminated clothing before reuse. Ventilate area and wash spill site.
WASTE DISPOSAL METHOD	Dispose of waste in accordance with all applicable Federal, State and local laws.

NOTICE : The information contained herein is applicable solely to the chemical substance when used as a FIP Reference Standard and does not relate to any other use of the substance described. Its use is intended by persons having technical skill and at their own discretion and risk. The information has been developed from sources considered reliable but has not been independently verified by the FIP. Therefore, the FIP Commission cannot guarantee the accuracy of the information in these sources nor should the statements contained herein be considered an official expression. **NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE** is made with respect to the information contained herein.

ATTENTION:

**This Product is Sold as a Reference Standard for Use in Chemical Analysis
Not for Human Consumption.**