
1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bile Solubility Reagent
Catalog Number: RB60
Product Use: For laboratory use only

Manufacturer's Name: Dalynn Biologicals Inc.
Supplier's Name: Dalynn Biologicals Inc.
Address: 3253 – 34 Avenue NE
Calgary, AB, Canada
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Telephone: 1-888-404-4045
Fax: (403) 250-9010
Chemical Emergency: 1-613-996-6666
Phone Number Only

2. HAZARD IDENTIFICATION**Emergency Overview****GHS Classification**

Mildly irritating to eyes (Category 2B)

GHS Label Elements, Including Precautionary Statements

Pictogram

No symbol required

Signal word Warning

Hazard statement(s)

H320 Causes eye irritation.

Precautionary statement(s)

P280 Wear protective gloves & clothing/ eye protection/ face protection.

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

3. COMPOSITION & INFORMATION ON INGREDIENTS

Synonyms sodium deoxycholate solution

INGREDIENT	%	CAS-No.	EC-No.	Index-No.
Sodium deoxycholate	10	302-95-4	206-132-7	-
Water	90	7732-18-5	231-791-2	-

4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move affected individual out of affected area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing. Wash affected area with soap and plenty of water. Take patient to hospital and consult a physician if feeling unwell.

In case of eye contact

Flush eyes with plenty of water for at least 15 minutes. Take patient to hospital and consult a physician if feeling unwell.

If swallowed

Do not induce vomiting as no serious side effects are expected. Rinse mouth with water if patient is conscious. Take patient to hospital and consult a physician if feeling unwell.

5. FIREFIGHTING MEASURES**Conditions of flammability**

Minimal fire hazard as main ingredient for the reagent is water.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous combustion products

Hazardous decomposition products formed under fire conditions: carbon dioxides, carbon monoxide

Explosion data – sensitivity to mechanical impact

Not sensitive to mechanical impact

Explosion data – sensitivity to static discharge

Not sensitive to static discharge

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Wear gloves and eye protection when cleaning up spills.

Environmental precautions

Not dangerous to the environment

Methods and materials for containment and cleaning up

Wearing gloves and eye protection, soak up with paper towel and place in sealed container. Sealed container may be disposed of with regular waste.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Use in area with adequate ventilation.

Conditions for safe storage

Keep container tightly closed away from sunlight

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protective equipment****Respiratory protection**

Use in area with adequate ventilation. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type ABEK (EN14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands after use.

Eye protection

Face shield and/or safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin and body protection

Wear appropriate clothing such as a lab coat that covers as much of the body as possible. Complete suit can also be worn if desired.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	Liquid with precipitate
Color	Clear

Safety data

pH	6.0 to 8.0 at 20°C (68°F)
Melting point/ freezing point	No data available
Boiling point	100°C (212°F) - water
Flash point	No data available
Ignition temperature	No data available
Auto ignition temperature	No data available

Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Density	1.000 g/cm ³ at 3.98 °C (39.16 °F)
Water solubility	soluble
Partition coefficient/ n-octanol/water	No data available
Relative vapor density	No data available
Odour	No data available
Odour threshold	No data available
Evaporation rate	No data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available.

Chemical stability

No data available.

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition products

Other decomposition products – No data available

Hazardous decomposition products formed under fire conditions – Carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50 (for sodium deoxycholate)

LD50 Oral - Rat - 1,370 mg/kg

Remarks: Behavioral: Altered sleep time (including change in righting reflex).

Behavioral: Ataxia. Lungs, Thorax, or Respiration.

LD50 Oral - Mouse - 1,050 mg/kg Remarks: Behavioral: Somnolence (general depressed activity).

Gastrointestinal: Ulceration or bleeding from stomach. Gastrointestinal: Ulceration or bleeding from small intestine.

Inhalation LC50

No data available

Other information on acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

Reproductive toxicity

No data available

Teratogenicity

No data available

Specific target organ toxicity – single exposure (GHS)

No data available

Specific target organ toxicity – repeated exposure (GHS)

No data available

Aspiration hazard

No data available

Potential health effects

- Inhalation** No serious side effects are expected if inhaled
- Skin** No side effects are expected if skin is exposed to this reagent.
- Eyes** May cause eye irritation on contact.
- Ingestion** May be harmful if swallowed, but no serious effects are expected.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects

No data available

Additional information

RTECS: Not available

12. ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Product

Expired or unwanted reagent may be washed down the sink or thrown out with regular waste.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by them.

16. OTHER INFORMATION

Further information

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