



1. Identification of the substance/preparation and of the company

Product name: Beta-thalassemia A2/F Calibrator Set
Use of the substance: For in vitro diagnostic use
Beta-thalassemia F/A2 Calibrator Set # 020019
Company Identification:
Manufacturer: Tosoh Corporation
Supplier: Tosoh Bioscience, Inc.
Product information: 1-800-248-6764
Medical Emergencies (24 HR): Hazard Information Services
DOT Emergency (24 HR): Hazard Information Services

2. Composition/information on substances

Substance/Preparation: Preparation from whole blood
Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section.

Table with 3 columns: Ingredient name, CAS number, % (optional). Row 1: Lyophilized whole blood

3. Hazards identification

Classification: The preparation is not classified as dangerous according to directive 1999/45/EC
Physical/chemical hazards: Not applicable
Human health hazards: Not applicable
Environmental hazards: Not applicable

**4. First aid measures**Effects and symptoms

Inhalation:	No known significant effects or critical hazards.
Ingestions:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Eye contact:	No known significant effects or critical hazards.

First aid measure:

Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
Skin contact:	In case of skin contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.
Eye contact:	In case of eye contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.

**5. Fire-fighting measures**

Extinguishing media:	Use an extinguishing agent suitable for surrounding fires.
Special exposure hazards:	No specific hazards.
Special protective equipment for fire fighters:	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**6. Accidental release measures**

Personal precautions:	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
Environmental precautions:	Avoid dispersal of spilled material and run-off from contact with soil, waterways, drains and sewers.
Methods for cleaning up:	If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent scoop up material and place in a sealed, liquid-proof container for disposal. For large spills, surround spilled material with an appropriate barrier to contain material in order to ensure that run-off does not reach soil, waterways, drains or sewers. Place spilled material in an appropriate container for disposal.



## 7. Handling and storage

- Handling:** When handling, avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- Storage:** For storage, keep unopened container closed at refrigerated temperature 2-8 °C.
- Packaging materials:**
- Recommended:** Use original containers when able.
- Specific uses:** Not applicable

## 8. Exposure controls/personal protection

### Exposure controls

**Occupational exposure controls:**

Provide exhaust ventilation or other engineered controls to keep the airborne concentration of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates that this is necessary. Respirator selection must be based upon known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hand protection:** Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates that this is necessary. 4-8 hours breakthrough time nitrile rubber gloves are recommended.

**Eye protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates that this is necessary to avoid exposure to liquid splashes, mists or dusts.

**Skin protection:** Personal protective equipment for the body should be selected based upon the task being performed and the risks involved and should be approved by a specialist before handling this product. A lab coat is recommended.

**9. Physical and chemical properties**

Physical state:	Solid dry powder
Color:	Red
Odor:	Odorless
pH:	Not available
Boiling point:	Not applicable
Melting point:	Not available
Flash point:	None
Flammability (solid/gas):	Not applicable
Explosive limits:	Not available
Oxidizing properties:	Not available
Vapor pressure:	Not applicable
Specific gravity:	Not applicable
Solubility:	Soluble
Octanol/water Partition coefficient:	Not available
Viscosity:	Not available
Vapor density:	Not applicable
Evaporation rate (butyl Acetate = 1):	Not available
Auto-ignition temperature:	Not available

**10. Stability and reactivity**

Stability:	The product is stable.
Conditions to avoid:	Not available
Materials to avoid:	Keep away from oxidizing agents
Hazardous Decomposition Products:	Not available
Hazardous polymerization:	Hazardous polymerization will not occur.

**11. Toxicological information**

## Potential acute health effects:

Inhalation:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.
Skin contact:	Irritating to skin.
Eye contact:	Irritating to eyes.



Acute toxicity: Not applicable

Potential chronic health effects:

    Carcinogenicity: No known significant effects or critical hazards.

    Mutagenicity: No known significant effects or critical hazards.

    Reproductive Toxicity: No known significant effects or critical hazards.

**12. Ecological information**

Ecotoxicity data: Not applicable

Other ecological information:

Mobility:

Other adverse effects: No known significant effects or critical hazards.

**13. Disposal considerations**

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and run-off and avoid contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste: The classification of this product may meet the criteria for a hazardous waste.

**14. Transport information**

[International transport regulations](#)

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information if required
ADR/RID Class	Not required	-	-	Not available		
ADN Class	Not required	-	-	Not available		
IMDG Class	Not required	-	-	Not available		
IATA-DGR Class	Not required	-	-	Not available		



**15. Regulatory information**

Hazard symbols:	Not applicable
Risk phrases:	Not applicable
Safety phrases:	Not applicable
Product use:	For in vitro diagnostic use

**16. Other information**

History:

Date of printing:	11-20-2008
Date of issue:	11-20-2008
Date of previous issue:	
Version:	1
Prepared by:	Tosoh Bioscience, Inc.

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