

*Printing date 09/08/2010* 

Reviewed on 09/06/2010

# **1 Identification of substance**

- · Product details
- Trade name: <u>AIA-PACK RBC FOLATE PRETREATMENT 1</u>
- · Article number:020710
- Application of the substance / the preparation In Vitro Diagnostics.
   Manufacturer / Supplier:

• Manufacturer TOSOH CORPORATION 3-8-2 Shiba, Minato-ku Tokyo 105 -8623 JAPAN Supplier:

TOSOH BIOSCIENCE, INC. 6000 Shoreline Ct.; Suite 101 South San Francisco, CA94080 USA

Tel. : + 81 3 5427 5181 Fax : + 81 3 5427 5220 Phone : + 1 614 317 1909 or (800) 248 6764 Fax : + 1 877 898 9883 or (800) 685 7595

#### · Information department:

*QA-RA:* susan.koss@tosoh.com www.diagnostics.us.tosohbioscience.com · *Emergency information:* Poison Control Center: + 1 800 222 1222

## 2 Composition/Data on components

#### · Chemical characterization

· Description: Mixture of the substances listed below with nonhazardous additions.

#### · Dangerous components:

0		
	(	10-25%
	Danger: 🔶 3.1.0/3; 🚸 3.9/1, 3.6/2	
	Warning: 🚸 4.1.A/1, 4.1.C/1	
26172-55-4		≤ 2.5%
	Danger: 🔶 3.1.0/3, 3.1.D/3, 3.1.1/3, 3.4.S/1; 🔶 3.2/1B	
	Warning: 🚯 4.1.A/I, 4.1.C/I	

# **3 Hazards identification**

#### · Hazard description:



*Toxic Dangerous for the environment* 

### · Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of international guidelines. Harmful if swallowed.

Limited evidence of a carcinogenic effect.

May cause sensitisation by skin contact.

Toxic: danger of serious damage to health by prolonged exposure if swallowed.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data. • NFPA ratings (scale 0 - 4)



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#### • General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: Immediately call a doctor.

### **5** Fire fighting measures

• Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. · Protective equipment: No special measures required.

### **6** Accidental release measures

- · Person-related safety precautions: Not required.
- Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

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Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

• *Measures for cleaning/collecting:* Dispose contaminated material as waste according to item 13.

### 7 Handling and storage

- · Handling:
- Information for safe handling: Store in cool, dry place in tightly closed receptacles.
- · Information about protection against explosions and fires: No special measures required.
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.

#### 8 Exposure controls and personal protection

• Additional information about design of technical systems: No further data; see item 7.

• Components with limit values that require monitoring at the workplace:

50-29-3 DDT (common name not adopted by ISO)

PEL 1 mg/m<sup>3</sup> Skin REL 0.5 mg/m<sup>3</sup> (LOQ 0.1 mg/m3) TLV 1 mg/m<sup>3</sup>

• Additional information: The lists that were valid during the creation were used as basis.

· Personal protective equipment:

• General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

• Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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## Material Safety Data Sheet acc. to ISO/DIS 11014

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• Eye protection: Not required.

9 Physical and chemical pro	operties
· General Information	
Form: Color: Odor:	Spray dried powder Whitish uncharacteristic
<ul> <li>Change in condition</li> <li>Melting point/Melting range:</li> <li>Boiling point/Boiling range:</li> </ul>	
· Flash point:	Not applicable.
· Auto igniting:	Product is not selfigniting.
• Danger of explosion:	Product does not present an explosion hazard.
· Density:	Not determined.
· Solubility in / Miscibility with Water:	Soluble.
• Solvent content: Organic solvents:	0.0 %
Solids content:	100.0 %

## **10 Stability and reactivity**

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

• Materials to be avoided:

· Dangerous reactions No dangerous reactions known.

· Dangerous products of decomposition: No dangerous decomposition products known.

# **11 Toxicological information**

• Acute toxicity:

· LD/LC50 values that are relevant for classification:

50-29-3 DDT (common name not adopted by ISO)

Oral LD50 113 mg/kg (rat)

Dermal LD50 2510 mg/kg (rat)

Primary irritant effect:

• on the skin: No irritant effect.

• on the eye: No irritating effect.

• Sensitization: Sensitization possible through skin contact.

• Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful Irritant

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# **12 Ecological information**

- Ecotoxical effects:
- Remark: Toxic for fish
- $\cdot$  Additional ecological information:
- · General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities.

- Danger to drinking water if even extremely small quantities leak into the ground.
- Also poisonous for fish and plankton in water bodies.
- Toxic for aquatic organisms

### **13 Disposal considerations**

- · Product:
- · Recommendation:
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

DOT regulations:	
TOXIC 8	
Hazard class:	6.1
Identification number:	UN2588
Packing group:	III
Proper shipping name (technica	al name): PESTICIDE, SOLID, TOXIC, N.O.S. (DDT (common name n adopted by ISO), 5-chloro-2-methyl-2H-isothiazol-3-one)
Label	6.1
Land transport ADR/RID (cross	s-border):
ADR/RID class:	6.1 Toxic substances
Danger code (Kemler): UN-Number:	60 2588
$1/N - N H M D \rho r^{2}$	2588
	111
Packaging group:	
Packaging group: Label:	6.1
Packaging group: Label: Special marking:	6.1 Symbol (fish and tree)
Packaging group: Label:	6.1 Symbol (fish and tree) 2588 PESTICIDE, SOLID, TOXIC, N.O.S. (DDT (common nar
Packaging group: Label: Special marking: Description of goods:	6.1
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# Trade name: AIA-PACK RBC FOLATE PRETREATMENT 1

UN Number:	2588	
Label	6.1	
Packaging group:	111	
EMS Number:	F-A,S-A	
Marine pollutant:	Yes	
	Symbol (fish and tree)	
Propper shipping name:	PESTICIDE, SOLID, TOXIC, N.O.S. (DDT (common name not	
	adopted by ISO), 5-chloro-2-methyl-2H-isothiazol-3-one)	
Air transport ICAO-TI and IATA		
ICAO/IATA Class:	6.1	
ICAO/IATA Class:	6.1	
ICAO/IATA Class: UN/ID Number:	6.1 2588	

• Environmental hazards:

Product contains environmentally hazardous substances: DDT (common name not adopted by ISO)

# **15 Regulations**

Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	
Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	
TSCA (Toxic Substances Control Act):	
All ingredients are listed.	
Proposition 65	
Chemicals known to cause cancer:	
50-29-3 DDT (common name not adopted by ISO)	
Chemicals known to cause reproductive toxicity for females:	
50-29-3 DDT (common name not adopted by ISO)	
Chemicals known to cause reproductive toxicity for males:	
50-29-3 DDT (common name not adopted by ISO)	
Chemicals known to cause developmental toxicity:	
50-29-3 DDT (common name not adopted by ISO)	
Carcinogenic categories	
EPA (Environmental Protection Agency)	
50-29-3 DDT (common name not adopted by ISO)	1
IARC (International Agency for Research on Cancer)	
50-29-3 DDT (common name not adopted by ISO)	2
NTP (National Toxicology Program)	·
50-29-3 DDT (common name not adopted by ISO)	



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• TLV (Threshold Limit Value established by ACGIH)	•	TLV	(Threshold	Limit Value	established by	ACGIH)
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- 50-29-3 DDT (common name not adopted by ISO)
- · NIOSH-Ca (National Institute for Occupational Safety and Health)

50-29-3 DDT (common name not adopted by ISO)

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

#### · Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

#### · Hazard symbols:



*Toxic Dangerous for the environment* 

• Hazard-determining components of labelling: DDT (common name not adopted by ISO) 5-chloro-2-methyl-2H-isothiazol-3-one

#### · Risk phrases:

Harmful if swallowed. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Toxic: danger of serious damage to health by prolonged exposure if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### · Safety phrases:

Keep locked up and out of the reach of children. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- ACGIH: American Conference of Governmental Industrial Hygienists
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent
- ID50: Lethal dose 50 percent
- LD50: Lethal dose, 50 percent



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