# **Material Safety Data Sheet**



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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: Product number: Global material number: Business area: Product line: Instrument type: Supplier: Roche Diagnostics Corporation 9115 Hague Road Indianapolis, IN 46250 Site Phone Number: 1-800-428-5074 BLOCKING REAGENT 1096176 11096176001 Roche Applied Sciences Not applicable Not applicable

Emergency telephone number: CHEMTREC: 1-800-424-9300 (U.S. or Canada) 1-703-527-3887 (International)

2. COMPOSITION/	<b>/INFORMATION ON INGREDIENTS</b>
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Components	CAS Number	Weight %	OSHA PEL:	OSHA STEL:	ACGIH TLV:	ACGIH STEL:
Maleic acid	110-16-7	1-5	NA	NA	NA	NA

### **3. HAZARDS IDENTIFICATION**

Emergency Overview						
NFPA Ratings: Health= 0 Flammability= 1 Reactivity= 0						
Special Definitions: A=Allergen CA=Carcinogen CO=Corrosive F=Flammable H=Harmful I=Irritant Ox=Oxidizer PB=Potential Biohazard R=Reproductive S=Sensitizer T=Toxic T+=Highly Toxic W=Water Reactive						
Principle routes of exposure: Ingestion, skin and/or eye contact						
Inhalation:	nhalation: None					
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea					
Skin contact:	None					
Eye contact:	Eye contact: Contact with eyes may cause irritation					
Sensitization or Odor threshold:	r threshold: The following chemical(s) may cause sensitization, be absorbed via skin, and/or has an odor threshold for detection:					
Medical conditions aggravated by exposure:	None known					
Additional information: None						
4. FIRST AID MEASURES						
Inhalation:	Consult a physician. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen					
Skin contact:	Rinse with plenty of water. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use					
Ingestion:	Consult a physician. Do not induce vomiting without medical advice					
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice					
Notes to physician:	lotes to physician: None determined					

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use dry chemical, CO2, water spray or `alcohol` foam	
Unusual hazards:	Combustible material.	
Special protective equipment for Wear self contained breathing apparatus for fire fighting if necessary firefighters:		
	6. ACCIDENTAL RELEASE MEASURES	
Personal precautions: Environmental precautions: Methods for cleaning up:	Use personal protective equipment. Evacuate personnel to safe areas Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Never return spills in original containers for re-use. Sweep up or vacuum (if powder) or soak up with inert absorbent material (if liquid), then place into a suitable clean, dry, closed container, and label for disposal	

## 7. HANDLING AND STORAGE

Handling:	
Storage:	

Protect from contamination. Wear personal protective equipment No special precautions required

8. EXPOSURE CONTROLS / PERSONAL PROTECTION							
Engineering measures:	Engineering measures: Not applicable						
Personal Protective Equipment	ersonal Protective Equipment						
Respiratory protection:	Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow the OSHA regulation, 29CFR1910.134. Always use a NIOSH approved respirator when necessary						
Hand protection:	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly						
Skin and body protection:	Wear appropriate body protection to prevent skin contact						
Eye protection:	Wear appropriate eye protection to prevent eye contact						
Hygiene measures:	Avoid contact with skin, eyes and clothing						

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solubility in water: Solid. Insoluble.

10. STABILITY AND REACTIVITY

Stability:
Polymerization:
Hazardous decomposition products:
Materials to avoid:

Stable under recommended storage conditions Not applicable Carbon oxides Strong acids and strong bases. Strong oxidising agents

## **11. TOXICOLOGICAL INFORMATION**

Components	NIOSH -	NIOSH Pocket Guide -
	Selected LD50s and LC50s:	Target Organs:
Maleic acid	=1560 mg/kg Dermal LD50 Rabbit	

Inhalation: Skin: Oral: **Mutagenic effects:** Reproductive toxicity: No additional data available No additional data available No additional data available No data is available on the product itself No data is available on the product itself

## **12. ECOLOGICAL INFORMATION**

**Bioaccumulation:** 

Not determined

Product number: 1096176

Aquatic toxicity:

No data is available on the product itself

Ecotoxicity effects:

No data is available on the product itself

# U.S. EPA, RCRA, CERCLA, SARA, or DGC information on persistent, bioaccumulative, and toxic chemicals (PBTs): The following chemicals are listed under the U.S. EPA regulations of RCRA, CERCLA, SARA, or DGC:

13. DISPOSAL CONSIDERATIONS						
Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulated if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by hazardous waste regulatory authority. Residue from fires extinguished with this material r hazardous						
14. TRANSPORT INFORMATION						
Is product hazardous to ship? DOT	No					
Proper shipping name: None						
UN Number: Not applicable	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable			
ICAO/IATA						

Proper shipping name: None			
UN Number: Not applicable	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable

**15. REGULATORY INFORMATION** 

## U.S. Regulations:

**U.S. CERCLA/SARA/TSCA Regulatory Information:** The following chemicals are listed under the following TSCA/SARA/CERCLA lists. Refer to TSCA regulation if you need a definition for acronyms that may be shown in the TSCA Inventory field in the table below

Components	CERCLA/SARA 302 RQ and TPQ (40 CFR 355, App.A)	CERCLA/SARA 304 RQ (40 CFR Table 302.4)	SARA 313 Emission reporting	TSCA Inventory
Maleic acid		=2270 kg final RQ		Present

U.S. Clean Water Act (CWA)/ California The following chemicals are listed under the CWA and/or California Proposition 65: Proposition 65:

Components	Clean Water Act Hazardous Substances	Clean Water Act Priority Pollutants	California Proposition 65
Maleic acid	Present		

#### Canadian Regulations:

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

### **16. OTHER INFORMATION**

Reason for revision:	Not applicable
References:	None
Additional advice:	None
Prepared by:	Roche Diagnostics, Health & Safety Department, MSDS Contact: 317-521-7425 or 317-521-7505

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#### Product number: 1096176

Product name: BLOCKING REAGENT

End of Safety Data Sheet