

1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance/preparation

Product code A15390
Product name CD11b/Mac-1a Rt Anti-Ms mAb, clone M1/70, APC-Cy®7 Conj

Company/Undertaking Identification

Life Technologies
 5791 Van Allen Way
 PO Box 6482
 Carlsbad, CA 92008
 +1 760 603 7200

Life Technologies
 5250 Mainway Drive
 Burlington, ONT
 CANADA L7L 6A4
 800/263-6236

24 hour Emergency Response:

866-536-0631
 301-431-8585
 Outside of the U.S. +1-301-431-8585

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. Hazards identification

GHS - Classification

Signal Word
WARNING



Health Hazard

Acute oral toxicity	Category 4
---------------------	------------

Physical Hazards

GHS Physical Hazard 1	none
-----------------------	------

Hazard statements

H302 - Harmful if swallowed

Revision Date 03-Apr-2013
Product code A15390

Page 1 / 6
Product name CD11b/Mac-1a Rt Anti-Ms mAb, clone M1/70, APC-Cy®7 Conj

Precautionary statements

Get medical attention/advice if you feel unwell

Wear protective gloves/clothing

Principle Routes of Exposure/**Potential Health effects**

Eyes	May cause eye irritation with susceptible persons.
Skin	May be harmful in contact with skin.
Inhalation	May be harmful by inhalation.
Ingestion	Harmful if swallowed.

Specific effects

Carcinogenic effects	none
Mutagenic effects	none
Reproductive toxicity	none
Sensitization	none

Target Organ Effects	No known effects under normal use conditions.
-----------------------------	---

HMIS

Health	2
Flammability	0
Reactivity	0

3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
sodium azide	26628-22-8	247-852-1	0.1

We recommend handling all chemicals with caution. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

4. First aid measures

Skin contact	Wash off immediately with plenty of water. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	Never give anything by mouth to an unconscious person. Consult a physician.
Inhalation	Move to fresh air. Consult a physician.
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Dry chemical.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

6. Accidental release measures

Revision Date 03-Apr-2013
Product code A15390

Page 2 / 6
Product name CD11b/Mac-1a Rt Anti-Ms mAb, clone M1/70,
APC-Cy®7 Conj

Personal precautions Use personal protective equipment.
Methods for cleaning up Soak up with inert absorbent material.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

See Section 12 for additional information.

7. Handling and storage

Handling Always wear recommended Personal Protective Equipment.
Storage Keep in properly labelled containers.

8. Exposure controls/personal protection

Exposure limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
sodium azide	none	none	none	none

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection Impervious gloves.
Eye protection Safety glasses with side-shields.
Skin and body protection. Lightweight protective clothing.
Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Prevent product from entering drains.

9. Physical and chemical properties

General Information

Form	liquid	
Appearance	No information available	
Odor	No information available	
Boiling Point/Range	°C no data available	°F no data available
Melting point/range	°C no data available	°F no data available
Flash point	°C no data available	°F no data available
Autoignition temperature	°C no data available	°F no data available
Oxidizing properties	No information available.	
Water solubility	soluble	
pH Range	6 - 8	

Revision Date 03-Apr-2013
Product code A15390

Page 3 / 6
Product name CD11b/Mac-1a Rt Anti-Ms mAb, clone M1/70, APC-Cy®7 Conj

10. Stability and reactivity

Stability	Stable under normal conditions. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.
Materials to avoid	Metals Acids. Heat Halogenated compounds Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.
Hazardous decomposition products	Ammonia nitrogen oxides (NOx)
polymerization	Hazardous polymerisation does not occur.

11. Toxicological information

Acute toxicity

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
sodium azide	= 27 mg/kg Oral LD50	no data available	no data available

Principle Routes of Exposure/ Potential Health effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May be harmful in contact with skin.
Inhalation	May be harmful by inhalation.
Ingestion	Harmful if swallowed.
Carcinogenic effects	none
Mutagenic effects	none
Reproductive toxicity	none
Sensitization	none
Target Organ Effects	No known effects under normal use conditions.

12. Ecological information

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	No information available.

13. Disposal considerations

Dispose of in accordance with local regulations.

14. Transport information

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard class	none

Revision Date 03-Apr-2013
Product code A15390

Page 4 / 6
Product name CD11b/Mac-1a Rt Anti-Ms mAb, clone M1/70,
APC-Cy®7 Conj

Subsidiary Class none
Packing group none
UN-No none

15. Regulatory information

Component	TSCA
sodium azide 26628-22-8 (0.1)	Listed

U.S. Federal Regulations

SARA 313

This product contains the following toxic chemical(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986. This law requires certain manufacturers to report on annual emissions of specified chemicals and chemical categories. Please note that if you repackage, or otherwise redistribute, this product to industrial customers, a notice similar to this one should be sent to those customers:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
sodium azide	26628-22-8	0.1	1.0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
sodium azide	Listed	-	Listed	-	Listed

California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS Hazard Class

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. Other information

Reason for Revision (M)SDS sections updated.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet

Revision Date 03-Apr-2013
Product code A15390

Page 5 / 6
Product name CD11b/Mac-1a Rt Anti-Ms mAb, clone M1/70,
APC-Cy®7 Conj