

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Product code 859673COMPONENTD
Product name HRP Streptavidin

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

Country specific Emergency Number (if available):

CHEMTREC Brazil (Rio De Janeiro) +(55)-2139581449 (português)

For in vitro diagnostic use.

SECTION 2: Hazards identification

GHS - Classification

Signal Word

WARNING



Health hazards

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

Physical hazards

Not Hazardous

Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

Precautionary Statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

Principle Routes of Exposure

Potential Health Effects

eyes	Irritating to eyes.
Skin	Irritating to skin.
inhalation	May cause irritation of respiratory tract.
Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Specific effects

Carcinogenic effects	None
Mutagenic effects	None
Reproductive toxicity	None
Sensitization	Category 1 May cause an allergic skin reaction

Target Organ Effects	None under normal use conditions
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HMIS

Health	2
Flammability	0
Reactivity	0

SECTION 3: Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
Proclin 300	55965-84-9	-	<0.6

We recommend handling all chemicals with caution.

SECTION 4: First aid measures

Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing and wash it before reuse. Immediate medical attention is required.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Ingestion	Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.
Notes to Physician	Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

Personal precautions	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection 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 more information.

SECTION 7: Handling and storage

Handling	Always wear recommended Personal Protective Equipment. No special handling advices are necessary.
Storage	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

SECTION 8: Exposure controls/personal protection

Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Proclin 300	None	None	None	None

<u>Engineering measures</u>	Ensure adequate ventilation, especially in confined areas.
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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.
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Hand protection	Impervious gloves.
Eye protection	Wear safety glasses with side shields (or goggles).
Skin and Body Protection	Lightweight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

<u>Environmental exposure controls</u>	Prevent product from entering drains. Do not allow material to contaminate ground water system.
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SECTION 9: Physical and chemical properties

General information

Form	Liquid	
Appearance	No information available	
Odor	Mixture has not been tested	
Odor Threshold	Mixture has not been tested	
Boiling point / boiling range	°C No data available	°F No data available
Melting point / melting 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	Mixture has not been tested	
Water solubility	soluble	
Viscosity	Mixture has not been tested	

SECTION 10: Stability and reactivity

Stability	Stable under normal conditions.
Materials to avoid	No information available.
Hazardous decomposition products	No information available.
polymerization	None under normal processing.

SECTION 11: Toxicological information

Acute Toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Proclin 300	= 481 mg/kg (Rat)	No data available	=1.23mg/L(Rat)

Principle Routes of Exposure

Potential Health Effects

eyes	Irritating to eyes
Skin	Irritating to skin
inhalation	May cause irritation of respiratory tract
Ingestion	May be harmful if swallowed Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea
Carcinogenic effects	None
Mutagenic effects	None
Reproductive toxicity	None.
Sensitization	Category 1 May cause an allergic skin reaction
Target Organ Effects	None under normal use conditions

SECTION 12: Ecological information

Ecotoxicity	Daphnia magna, Pseudokirchneriella subcapitata
Mobility	see log Pow
Biodegradation	No information available
Bioaccumulation	No information available

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Proclin 300	Pseudokirchneriella subcapitata EC500.03 - 0.13 mg/L (96 h) Pseudokirchneriella subcapitata EC500.11 - 0.16 mg/L (72 h)	Daphnia magna EC500.71 - 0.99 mg/L (48 h) Daphnia magna EC500.12 - 0.3 mg/L (48 h) Daphnia magna EC50=4.71 mg/L (48 h)			logPow-0.71 - 0.75

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

IATA

Proper Shipping Name	No dangerous good in sense of these transport regulations
Hazard Class	None
Subsidiary class	None
Packing group	None
UN-No	none

SECTION 15: Regulatory information

Component	TSCA
Proclin 300 55965-84-9 (<0.6)	-

US Federal Regulations

SARA 313

This product is not regulated by SARA.

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

This product does not contains HAPs.

US State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Proclin 300	-	-	-	-	-

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

D2B - Toxic materials



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

SECTION 16: Other information

Reason for revision

SDS sections updated.

For in vitro diagnostic use.

"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 SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

End of Safety Data Sheet