BOSTER BIOLOGICAL TECHNOLOGY
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Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiters

Catalog Number	EZ1634
Product Name	Human Serpin A1/alpha 1-Antitrypsin EZ-Set™ ELISA Kit (DIY Antibody Pairs)

Components: [capture_antibody] (contains Proclin 300)
[detection_antibody] (contains Proclin 300)
Lyophilized recombinant Human SERPINA1 standard (contains Proclin 300)
Avidin-Biotin-Peroxidase Complex (ABC) (contains Proclin 300)

1.2 Application of the substance or mixture

For research use only.

1.3 Company Identification

Boster Biological Technology Co., Ltd.
3942 B Valley Ave, Pleasanton, CA, 94566, USA.
Fone: (888) 466-3604 Fax: (925) 215-2184

2.HAZARDS IDENTIFICATION

See additional safety data sheets

1. DENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1 Product Identifiers

Product name: Rabbit anti- Human SERPINA1 polyclonal antibody (contains Proclin 300)
Biotinylated goat anti- Human SERPINA1 polyclonal antibody (contains Proclin 300)
Lyophilized recombinant Human SERPINA1 standard (contains Proclin 300)
Avidin-Biotin-Peroxidase Complex (ABC) (contains Proclin 300)

2.HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]

Sensitization, skin - Category 1

2.2 Label Element
Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]

Pictogram(s):	

Signal Word:WARNING
Hazard statements:
H317: May cause an allergic skin reaction.
Precautionary statements:
P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P333+313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
Other Hazards: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Proclin 300

Component	CAS-No.	Index-No.	Concentration
Mixture of 5-Cloro-2-Methyl-4-Isothiazolin-3-One (26172-55-4) and -Methyl-4-Isothiazolin-3-One (2682-20-4)	55965-84-9	613-167-00-5	0.04%

4.FIRST AID MEASURES

Skin contact	Immediately take off contaminated clothing or shoes. Wash with plenty of soap and water. Consult a physician.
Eye contact	Rinse immediately with plenty of water. Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a

	physician.
Notes to physician	Treat symptomatically.

5.FIRE FIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special precautions for fire-fighters	Self contained breathing apparatus and full protective clothing must we worn in case of fire.
Special hazards arising from the substance or mixture	In combustion, may emit toxic fumes.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions	Use appropriate personal protective equipment to prevent contamination of skin, eyes and personal clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	Keep away from drains.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7.HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use normal measures for preventive fire protection.
Storage	Store according to product specifications.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1Control parameters: Contains no substances with occupational exposure limit values.

8.2Individual protection measures: Wash hands thoroughly after handling chemical products and before eating, smoking or using the toilet. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Eye/face protection	Wear approved safety goggles.
Skin/hand protection:	Handle with protective gloves, plastic or rubber. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body protection	Wear suitable protective clothing as protection against splashing or contamination.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.
Respiratory protection	In case of inadequate ventilation, use a suitable respirator. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9.PHYSICAL AND CHEMICAL PROPERTIES

Important Health Safety and Environment Information

a) Appearance Form:	Liquid.
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available

j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: noctanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

10.STABILITY AND REACTIVITY

Reactivity	Stable under recommended transport or storage conditions.
Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to avoid	Heat, moisture.
Incompatible materials	Strong acids/alkalis, strong oxidising/reducing agents.
Hazardous decomposition products	Strong acids/alkalis, strong oxidising/reducing agents.
Hazardous polymerization	Hazardous polymerization does not occur.

11.TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity: Classified based on available data.
Skin irritant effect: Classified based on available data.
Serious Eye Damage / Irritation: Classified based on available data
Respiratory or Skin Sensitization: Classified based on available data.
Germ Cell Mutagenicity: Classified based on available data.
Carcinogenicity: Classified based on available data.
Reproductive Toxicity: Classified based on available data.
Specific Target Organ Toxicity - Single Exposure: Classified based on available data.
Specific Target Organ Toxicity - Repeated Exposure: Classified based on available data.
Symptoms / Routes of Exposure :
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Ingestion: There may be irritation of the throat.
Skin: There may be mild irritation at the site of contact.
Eyes: There may be irritation and redness.
Delayed / Immediate Effects: No known symptoms.
Additional Information: Classified based on available data.

12. ECOLOGICAL INFORMATION

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Results of PBT and vPvB assessment: No data available.
Other adverse effects: No data available.

13.DISPOSAL CONSIDERATIONS

Disposal methods	Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.
Contaminated packaging	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

14.TRANSPORT INFORMATION

DOT	Not dangerous goods.
ADR	Not dangerous goods.
IATA	Not dangerous goods.

15. REGULATORY INFORMATION

US Federal and State Regulations
SARA 313 Components
Not applicable.
SARA 311/312 Hazards
Not applicable.
CERCLA Reportable Quantity
Not applicable.
California Prop. 65 Components
Not applicable.

16. OTHER INFORMATION

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 Boster Corporation 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.