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**Section 1: Identification: Product identifier and chemical identity****Product identifier**

**Product Name** ABS Ivory  
ABS M30 Ivory  
ABS 30  
ABS 30 Natural  
P430 ABS Ivory  
P430L ABS Ivory  
P430XL Ivory

**Product Code(s)** SDS-000001 EN U IVY

**PN (Part Number)** 311-20000 311-20018 333-60300 333-90300 340-21200 345-10005 345-42005 350-80100  
355-02110 355-08110 360-50110 207003-0001 340-41200

**Other means of identification**

**Pure substance/mixture** Mixture

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Additive manufacturing

**Uses advised against** No information available

**Details of manufacturer or importer**

<b><u>Importer</u></b>	<b><u>Importer</u></b>
Objective3D Pty Ltd	TCL Hofmann
33-35 Yazaki Way	VIC - Braeside
Carrum Downs, 3201	150 Woodlands Drive
Victoria, Australia	Braeside VIC 3195
Phone: +613 9785 2333	Australia
Local: +1300 559 454	Phone: +613 8586 2900
Fax: +613 9785 2322	Fax: +613 9580 8322

For further information, please contact

**E-mail address** info@Stratasys.com

**Emergency telephone number**

Emergency telephone number +61 2 8014 4558 - Australia - English Language response

**Section 2: Hazard(s) identification****GHS Classification**

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

**Label elements**

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

**Other hazards**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. If small particles are generated during further processing, handling, or by other means, combustible dust concentrations in air may form. See section 7 for more information. See section 8 for more information.

**Section 3: Composition and information on ingredients, in accordance with Schedule 8**

**Substance**

Not applicable

**Mixture**

Chemical name	CAS No	Weight-%
Acrylonitrile butadiene styrene polymer	9003-56-9	80-100
Non-hazardous ingredients	Proprietary	Balance

**Section 4: First aid measures**

**Description of first aid measures**

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
<b>Skin contact</b>	Wash skin with soap and water when in contact with molten residues.
<b>Ingestion</b>	Drink plenty of water. Do not induce vomiting without medical advice. Call a doctor immediately.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

**Indication of any immediate medical attention and special treatment needed**

**Note to doctors** Treat symptomatically.

**Section 5: Firefighting measures**

**Suitable Extinguishing Media**

**Suitable Extinguishing Media** Foam. Water. Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.

**Unsuitable extinguishing media** None known.

**Specific hazards arising from the chemical**

**Specific hazards arising from the chemical** None known.

**Special protective actions for fire-fighters**

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**Section 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required. Avoid contact with skin and eyes. Remove all sources of ignition. Sweep up to prevent slipping hazard.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** Do not flush into surface water or sanitary sewer system. Keep out of waterways.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labelled containers.

**Precautions to prevent secondary hazards**

**Prevention of secondary hazards** Prevent dust cloud. Avoid dust accumulation in enclosed space. May form combustible dust concentrations in air if small particles are generated during further processing, handling or by other means. Remove all sources of ignition.

**Section 7: Handling and storage, including how the chemical may be safely used**

**Precautions for safe handling**

**Advice on safe handling** Use personal protection equipment. Avoid contact with skin and eyes, when handling melted filament. If small particles are generated during further processing, handling, or by other means, combustible dust concentrations in air may form. Use respirator.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Oxidising agent. Strong bases.

**Section 8: Exposure controls and personal protection**

**Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls** If dust is generated during further processing provide exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Goggles. Safety glasses with side-shields.

**Skin and body protection** Impervious clothing.

**Respiratory protection** Minimise dust generation and accumulation. Wear respiratory protection.

**Environmental exposure controls** No information available.

**Section 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

**Physical state** Solid  
**Appearance** Monofilament  
**Odour** No data available.  
**Colour** Characteristic  
**Odour threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	>380 °C	
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit	No data available	
Vapour pressure	No data available	None known
Vapour density	No data available	None known
Relative density	1.02 - 1.07	
Water solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	>350 °C	
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

**Other information**

**Softening point** No information available  
**Molecular weight** No information available  
**VOC Content (%)** negligible  
**Liquid Density** No information available  
**Bulk density** No information available  
**Particle Size** No information available  
**Particle Size Distribution** No information available

## Section 10: Stability and reactivity

### Reactivity

**Reactivity** None under normal use conditions.

### Chemical stability

**Stability** Stable under normal conditions.

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### Conditions to avoid

**Conditions to avoid** Excessive heat. To avoid thermal decomposition, do not overheat.

### Incompatible materials

**Incompatible materials** Oxidising agent. Strong bases.

### Hazardous decomposition products

**Hazardous decomposition products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Aldehydes. Burning produces obnoxious and toxic fumes.

## Section 11: Toxicological information

### Acute toxicity

### Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

**Symptoms** None known.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

**Unknown acute toxicity** No information available

100 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acrylonitrile butadiene styrene polymer	>5000 mg/kg rat	>2000 mg/kg rabbit	-

See section 16 for terms and abbreviations

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.  
**Serious eye damage/eye irritation** No information available.  
**Respiratory or skin sensitisation** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Section 12: Ecological information**

**Ecotoxicity**

**Ecotoxicity** The environmental impact of this product has not been fully investigated  
**Unknown aquatic toxicity** 1 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

**Persistence and degradability**

**Persistence and degradability** No information available.

**Bioaccumulative potential**

**Bioaccumulation** No information available.

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**Mobility**

**Mobility in soil** No information available.

**Mobility** No information available.

**Other adverse effects**

**Other adverse effects** No information available.

**Section 13: Disposal considerations**

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**Section 14: Transport information**

**ADG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available

**Section 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

**Australia**

See section 8 for national exposure control parameters

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**Section 16: Any other relevant information**

**Prepared By**

TSCA;  
[http://iaspub.epa.gov/sor\\_internet/registry/substreg/searchandretrieve/searchbylist/search.d](http://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/searchbylist/search.d)  
IECSC; <http://cciss.cirs-group.com/>  
EU Regulation 1272/2008  
TOMES-LOLI®; <http://www.rightanswerknowledge.com/loginRA.asp>  
UN Recommendations on the transport of dangerous goods 19th Edition  
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans;  
<http://monographs.iarc.fr>  
ECHA CHEM;  
<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>  
OECD SIDS; <http://webnet.oecd.org/Hpv/UI/Search.aspx>  
EPA; <http://www.epa.gov/iris>  
EPISUITE Program ver.4.1  
NIOSH (The National Institute for Occupational Safety and Health)  
ACGIH (American Conference of Governmental Industrial Hygienists)  
Waste Control Act enforcement regulation attached [1]  
National chemicals information systems; <http://ncis.nier.go.kr>  
Korea National Fire Agency-Korea dangerous material inventory management system;  
<http://hazmat.mpss.kfi.or.kr/material.do>  
Korea Ministry of Employment and Labor Public Notice No. 2016-19  
Korea Ministry of Employment and Labor Public Notice No. 2018-24

**Revision Date**

03-Aug-2020

**Revision Note**

The symbol (\*) in the margin of this SDS indicates that this line has been revised.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		



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**End of Safety Data Sheet**