

Revision date 26-Jan-2026

Revision Number 1.02

1. Identification

A. Product identifier

Product Name Accura® Xtreme White 200

MSDS Number AA22360-0000000022.

Product Code(s) 24111

B. Relevant identified uses of the substance or mixture and uses advised against

Recommended use For use with SLA Systems
Photo curable material for use in 3D printing

Uses advised against Any non-intended use

C. Supplier's details

Manufacturer

525 Seollung-ro, Gangnam-gu,
Seoul 06149,
Republic of Korea

For further information, please contact

E-mail address moreinfo@3dsystems.com

Company Phone Number 02-6262-9942

Emergency telephone number Chemtrec - 080-880-0454

2. Hazard(s) identification

A. Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Chronic aquatic toxicity	Category 2

B. GHS Label elements, including precautionary statements

Hazard symbols



Signal word

Warning

Hazard statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention

P271 - Use only outdoors or in a well-ventilated area

P264 - Wash face, hands and any exposed skin thoroughly after handling

P272 - Contaminated work clothing should not be allowed out of the workplace

P273 - Avoid release to the environment

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

Precautionary Statements - Response

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P321 - Specific treatment: Wash contaminated skin with soap and water. Wash eyes with clean water for about 15 minutes.

Eyes

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

Skin

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

P362 + P364 - Take off contaminated clothing and wash it before reuse

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

Inhalation

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

Spill

P391 - Collect spillage

Precautionary Statements - Disposal

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

C. Other hazards which do not result in classification

Store out of direct sunlight, UV light sources or heat. Use with local exhaust ventilation. Harmful to aquatic life.

3. Composition/information on ingredients

Mixture
Synonyms

AA22360-0000000022.

Chemical name	Common name and synonyms	CAS No	Other identifier number	Weight-%
Poly[2-(chloromethyl)oxirane-alt-4,4'-(propane-2,2-diyl)diphenol]	No information available	25068-38-6	KE-24000	25 - 35
4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1chloro-2,3-epoxypropane	No information available	30583-72-3	KE-23968	20 - 30
Dipentaerythritol Pentaacrylate esters	No information available	60506-81-2	KE-20410	1 - 10

Propylene Carbonate	No information available	108-32-7	KE-23785	1 - 10
(Sulfanediyl-di-4,1-phenylene)bis (diphenylsulfonium) bis[hexafluoroantimonate(1-)]	No information available	89452-37-9	Listed	1.3
Diphenyl[4-(phenylsulfanyl)phenyl] sulfonium hexafluoroantimonate(1-)	No information available	71449-78-0	2014-3-6027	0.7
Nonhazardous Components	No information available	NA	Listed	< 20

4. First-aid measures

A. In case of eye contact

Get medical attention. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

B. In case of skin contact

May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.

C. In case of inhalation

Avoid breathing (dust, vapor, mist, gas). Move to fresh air in case of accidental inhalation of vapors. Ensure adequate ventilation. Remove to fresh air. Get medical attention immediately if symptoms occur. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

D. In case of ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention.

E. Indication of immediate medical attention and special treatment needed, if necessary

General advice

Ensure that eyewash stations and safety showers are close to the workstation location. Get medical attention if symptoms occur. Show this safety data sheet to the doctor in attendance. Show this safety data sheet to the doctor in attendance.

Note to physicians

May cause sensitization in susceptible persons. Treat symptomatically.

Symptoms

Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.

Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information.

5. Fire-fighting measures

A. Suitable (and unsuitable) extinguishing media

Suitable Extinguishing Media Dry chemical, CO2 or water spray.

Large Fire

CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

B. Specific hazards arising from the chemical

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). May cause sensitization by skin contact. Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous combustion products Hydrocarbons. Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

C. Special Protective Equipment for Firefighters

Wear self contained breathing apparatus for fire fighting if necessary. Remove all sources of ignition. Cool drums with water spray.

6. Accidental release measures

A. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

B. Environmental precautions

Prevent further leakage or spillage if safe to do so.

C. 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 In case of insufficient ventilation, wear suitable respiratory equipment. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Prevention of secondary hazards Pick up and transfer to properly labeled containers. Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

A. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists.

B. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

General hygiene considerations Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

8. Exposure controls/personal protection

A. Control Parameters

Occupational exposure limits Not established.

Chemical name	OEL	PEL	ACGIH TLV
(Sulfanediyl-di-4,1-phenylene)bis(diphenylsulfonium) bis[hexafluoroantimonate(1-)]	TWA: 0.5 mg/m ³	No data	TWA: 0.5 mg/m ³ Sb
Diphenyl[4-(phenylsulfanyl)phenyl]sulfonium hexafluoroantimonate(1-)	TWA: 0.5 mg/m ³	No data	TWA: 0.5 mg/m ³ Sb

B. Appropriate engineering controls

Engineering controls Recommend users establish appropriate engineering control measures, including but not limited to local exhaust ventilation, in rooms/areas where printers are installed and in post-processing areas, to minimize inhalation exposure.

Environmental exposure controls Avoid release to the environment. Do not allow to enter into soil/subsoil.

C. Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Uncured parts should be transported in closed containers. Wear skin and eye/face protection PPE during part processing. Use of a dust mask is recommended during cleaning surfaces with dust or when dust generation is a possibility during sanding or grinding operations.

Eye protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves. Impervious gloves.

Body protection Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Long sleeved clothing.

Thermal hazards None under normal processing.

9. Physical and chemical properties

Information on basic physical and chemical properties

- A. Appearance Viscous
 Physical State Liquid
 color White
 B. Odor Mild Acrylic
 C. Odor threshold No information available

Property	Values	Remarks • Method
D. pH	No information available	-
E. Melting point / freezing point	No information available	-
F. Initial boiling point and boiling range	No information available	-
G. Flash point	161 °C / 321.8 °F	-
H. Evaporation rate	No information available	-
I. Flammability (solid, gas)	No information available	-

J. Upper/lower flammability or explosive limits

Upper flammability or explosive limits -

Lower flammability or explosive limits -

K. Vapor pressure No information available -

L. Solubility(ies) Insoluble in water -

Water solubility No information available -

Solubility in other solvents No information available -

M. Relative vapor density No information available -

N. Specific Gravity No information available -

O. Partition coefficient: No information available -

n-octanol/water -

P. Autoignition Point No information available -

Q. Decomposition temperature -

R. Viscosity

Kinematic viscosity No information available -

Dynamic viscosity 720 (@30 °C) -

S. Molecular weight No information available

Other information

Explosive properties No information available

Oxidizing properties No information available

Softening point No information available

VOC content No information available

Liquid Density 1.12 g/cm3

Sensitivity to mechanical impact No information available

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10. Stability and reactivity

A. Chemical stability and possibility of hazardous reactions

Stability Stable under normal conditions.

Reactivity Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization None under normal processing.

Explosion data

Sensitivity to mechanical impact No information available.

Sensitivity to static discharge No information available.

B. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Excessive heat.

C. Incompatible materials

Strong oxidizing agents, strong acids, and strong bases. Strong acids. Strong bases. Strong oxidizing agents.

D. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Nitrogen oxides (NOx). Carbon dioxide (CO2). Carbon monoxide. Hydrocarbons.

11. Toxicological information

A. Information on the likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
Symptoms	Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes. Coughing and/ or wheezing.

B. Health hazards information

Acute toxicity

Numerical measures of toxicity

Unknown acute toxicity

57.519 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

47.019 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

97.829 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Poly[2-(chloromethyl)oxirane-alt-4,4'-(propane-2,2-diyl)diphenol]	= 11400 mg/kg (Rat)	-	-
4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1chloro-2,3-epoxypropane	-	> 2000 mg/kg (Rat)	-
Propylene Carbonate	= 29000 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization May cause an allergic skin reaction.

Carcinogenicity No information available.

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

Legend

IARC (International Agency for Research on Cancer) Group 2B - Possibly Carcinogenic to Humans

Germ cell mutagenicity No information available.

Reproductive toxicity No information available.

Specific target organ toxicity (STOT) – single exposure No information available.

Specific target organ toxicity (STOT) – repeated exposure No information available.

Target organ effects Respiratory system. Eyes. Skin. Central Vascular System (CVS).

Aspiration hazard No information available.

12. Ecological information

A. Ecotoxicity

Toxic to aquatic life with long lasting effects. Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1chloro-2,3-epoxypropane	-	LC50: =11.5mg/L (96h, Oncorhynchus mykiss)	-	-
Propylene Carbonate	EC50: >500mg/L (72h, Desmodesmus subspicatus)	LC50: >1000mg/L (96h, Cyprinus carpio)	-	EC50: >500mg/L (48h, Daphnia magna)

B. Persistence and degradability No information available.

C. Bioaccumulative potential

Component Information

Chemical name	Partition coefficient
4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1chloro-2,3-epoxypropane	3.84
Propylene Carbonate	0.48
(Sulfanediyl-di-4,1-phenylene)bis(diphenylsulfonium) bis[hexafluoroantimonate(1-)]	4.09
Diphenyl[4-(phenylsulfanyl)phenyl]sulfonium hexafluoroantimonate(1-)	-0.426

D. Mobility in soil No information available.

E. Other adverse effects No information available.

13. Disposal considerations

A. Waste treatment methods

Waste from residues/unused products Reduce waste by attempting to utilize product completely. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

B. Disposal considerations

Contaminated packaging Do not reuse empty containers.

14. Transport information

A. UN number or ID number 3082

B. UN proper shipping name Environmentally hazardous substances, liquid, n.o.s., Poly[2-(chloromethyl)oxirane-alt-4,4'-(propane-2,2-diyl)diphenol]

C. Transport hazard class(es) 9

D. Packing group III

E. Marine pollutant Applicable

Special Provisions 2.10.2.7

EmS-No F-A, S-A

F. Special precautions for user Not regulated

15. Regulatory information

A. Industrial Safety and Health Law

Prohibited substance Not applicable

Substances Requiring Permission Not applicable

Harmful substances subject to control

Chemical name	Harmful substances subject to control
(Sulfanediyl-di-4,1-phenylene)bis(diphenylsulfonium) bis[hexafluoroantimonate(1-)]	Applicable
Diphenyl[4-(phenylsulfanyl)phenyl]sulfonium hexafluoroantimonate(1-)	Applicable

Harmful agents subject to work environment monitoring Not applicable

Harmful agents subject to workers requiring health examination Not applicable

Harmful or dangerous substances subject to submission of process safety reports Not applicable

Control parameters

See section 8 for national exposure control parameters

Chemical name	OEL	PEL
(Sulfanediyl-di-4,1-phenylene)bis(diphenylsulfonium) bis[hexafluoroantimonate(1-)]	Applicable	Not applicable
Diphenyl[4-(phenylsulfanyl)phenyl]sulfonium hexafluoroantimonate(1-)	Applicable	Not applicable

B. Chemicals Control Act Not applicable

Chemical name	Toxic substance	Authorization substance	Prohibited substance	Restricted substance
Diphenyl[4-(phenylsulfanyl)phenyl]sulfonium hexafluoroantimonate(1-)	2019-1-0892, 25 % *	Not applicable	Not applicable	Not applicable

Chemicals Control Act (CCA) - Accident Precaution Chemicals Not applicable

Act on Registration, Evaluation, etc. of Chemicals (K-REACH) Applicable

Chemical name	Existing substances subject to registration	Existing substances not likely to be subject to registration	Existing substances known to be of very low risk
Poly[2-(chloromethyl)oxirane-alt-4,4'-(propane-2,2-diyl)diphenol]	Applicable	Not applicable	Not applicable

C. Safety Control of Dangerous Substances Act Not applicable

D. Wastes Management Dispose of waste in accordance with environmental legislation.

E. Other Regulations

Pollutant Release and Transfer Register (PRTR)

Chemical name	Toxic Release Inventory Chemicals - Group 1	Toxic Release Inventory Chemicals - Group 2
Poly[2-(chloromethyl)oxirane-alt-4,4'-(propane-2,2-diyl)diphenol]	-	>=1.0 % w/w
(Sulfanediyl-di-4,1-phenylene)bis(diphenylsulfonium) bis[hexafluoroantimonate(1-)]	-	>=0.1 % w/w
Diphenyl[4-(phenylsulfanyl)phenyl]sulfonium hexafluoroantimonate(1-)	-	>=0.1 % w/w

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

International Inventories

TSCA	All ingredients are listed (Active) or exempt.
DSL/INDSL	All ingredients are listed or exempt.
EINECS/ELINCS	All ingredients are listed or exempt.
ENCS	All ingredients are listed or exempt.
IECSC	All ingredients are listed or exempt.
KECL	All ingredients are listed or exempt.
AICS	All ingredients are listed or exempt.
TCSI	All ingredients are listed or exempt.
NZIoC	All ingredients are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDL - 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
 NZIoC - New Zealand Inventory of Chemical Substances

16. Other information

A. Information sources and references

Prepared By No information available.

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

ACGIH ACGIH (American Conference of Governmental Industrial Hygienists)
 IMDG International Maritime Dangerous Goods (IMDG)

Legend Section 8: Exposure controls/personal protection

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

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AELG(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 National Institute of Technology and Evaluation (NITE)
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

B.

C. Revision number and date

Revision Number 1.02
Revision date 26-Jan-2026

D. Other

Disclaimer

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End of Safety Data Sheet