SAFETY DATA SHEET

Date of issue: *03/03/2026*
Date of previous issue: *SDS - New Request*

Section 1. Identification

Product name XCT-36-185
Product type Color Paste
Chemical family Coloring material.
SDS No. XNA-2603:3272 (Version: 1.0)

Relevant identified uses of the substance or mixture and uses advised against
Identified uses Used in the manufacture of thermoset plastic parts.
Uses advised against No additional information.

Supplier's details

United States:

AOC
955 Highway 57 East
Collierville, TN 38017
Phone Number: (901) 854-2800
Hours: 8AM-5pm (Central Time) Mon-Fri

E-Mail: aoc.sds@aocresins.com
Website: www.aocresins.com

Canada:

AOC
38 Royal Road
Guelph, Ontario Canada N1H 1G3
Phone Number: (519) 821-5180
Hours: 8am-5pm (Eastern) Mon-Fri

Emergency telephone number

CHEMTREC Within USA and Canada	+1 (800) 424-9300 CCN1023
CHEMTREC Outside USA and Canada	+1 (703) 527-3887
CANUTEC Within Canada	+1 (613) 996-6666

Section 2. Hazards identification

OSHA/HCS status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture
SKIN IRRITATION – Category 2 – H315
EYE IRRITATION – Category 2B – H320
REPRODUCTIVE TOXICITY – Category 2 – H361fd

GHS label elements



Signal word
Warning

Hazard statements
H315: Causes skin irritation.
H320: Causes eye irritation.
H361fd: Suspected of damaging fertility or the unborn child.

Precautionary statements

General
P103: Read label before use.
P102: Keep out of reach of children.
P101: If medical advice is needed, have product container or label at hand.

Prevention
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash hands thoroughly after handling.

Response

Section 2. Hazards identification

P308+P313: IF exposed or concerned: Get medical attention.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
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 attention.

Storage

P405: Store locked up.
P403+P235: Store in a well-ventilated place. Keep cool.
P233: Keep container tightly closed.

Disposal

P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

None known.

Section 3. Composition/information on ingredients

Substance/mixture Mixture

Ingredient name	Synonyms	Identifiers	%
carbon black	Lampblack; Acetylene black; C.I. 77266; C.I. Pigment Black 6; C.I. Pigment Black 7; Charcoal	CAS: 1333-86-4	≥0.1 - ≤1
propylidynetrimethanol	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-; 1,1,1-Trimethylolpropane; Propane, 1,1,1-tris(hydroxymethyl)-; trimethylolpropane; 2-ethyl-2-hydroxymethylpropane-1,3-diol; 2-Ethyl-2-hydroxymethyl-1,3-propanediol; 1,1,1-TRIS(HYDROXYMETHYL)PROPANE; 2-Ethyl-2-(hydroxymethyl) -1,3-propanediol; Hexaglycerine; Hexaglycerol; Tris(hydroxymethyl)propane	CAS: 77-99-6	≥0.1 - ≤1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Use of buffered baby shampoo will aid in removal. If irritation persists, get medical attention.

Inhalation

Move the victim to a safe area as soon as possible. Allow the victim to rest in a well-ventilated area. If breathing is difficult, give oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Skin contact

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, seek medical attention. Wash contaminated clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

Wash out mouth with water. Remove dentures if any. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Seek immediate medical attention.

Most important symptoms/effects, acute and delayed

Eye contact

Causes eye irritation.

Inhalation

No known significant effects or critical hazards.

Skin contact

Causes skin irritation.

Ingestion

No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact

Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation

Section 4. First aid measures

Adverse symptoms may include the following: respiratory tract irritation, coughing.

Skin contact

Adverse symptoms may include the following: irritation, redness.

Ingestion

Adverse symptoms may include the following: Irritating to mouth, throat and stomach.

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

Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

No specific fire or explosion hazard.

Hazardous thermal decomposition products

No specific data.

Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Do not touch or walk through spilled material. Provide adequate ventilation.

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See also the information in "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up

Small spill

Sweep up and place in suitable clean, dry containers for reclamation or later disposal. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Segregate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Refer to the product label and/or technical data sheet for further information.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
carbon black	**ACGIH TLV (United States, 1/2025)** A3. TWA 8 hours: 3 mg/m³. Form: Inhalable fraction. **NIOSH REL (United States, 10/2020)** NIA. TWA 10 hours: 3.5 mg/m³. TWA 10 hours: 0.1 mg/m³ (as cyclohexane-extractable fraction). **OSHA PEL (United States, 5/2018)** TWA 8 hours: 3.5 mg/m³.
propylidynetrimethanol	**ACGIH TLV (United States, 1/2025)** TWA 8 hours: 0.5 ppm. Form: Inhalable fraction and vapor.

Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.



Section 9. Physical and chemical properties

Appearance

Physical state	Liquid.
Color	Beige.
Odor	Mild.
Odor threshold	Not established.
pH	*Not applicable.*
Melting point	Not available.
Boiling point	>400°F / >204°C
Flash point	240°F / 116°C
Evaporation rate	Not established.
Flammability (solid, gas)	*Not applicable.*
Lower and upper explosive (flammable) limits	Not available.
Vapor pressure	Not established.
Vapor density	Not established.
Relative density	1.0 to 2.1 (Water = 1)
Solubility	Negligible.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Molecular weight	Not available.

Section 10. Stability and reactivity

Reactivity

No specific test data related to reactivity available for this product or its ingredients.

Chemical stability

The product is stable. Stable under recommended storage and handling conditions (see Section 7).

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

Not applicable.

Incompatible materials

No specific information is available in our database.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Ingredient name	Result
carbon black	**Rat - Oral - LD50** >15400 mg/kg **Rabbit - Dermal - LD50** >3000 mg/kg **Rat - Oral - LD50** >15400 mg/kg Toxic effects: Behavioral - Somnolence (general depressed activity) **Rat - Inhalation - LC50 Dusts and mists** 6750 mg/m³ [4 hours]
propylidynetrimethanol	**Rat - Oral - LD50** 14000 mg/kg

Irritation/Corrosion

Not available.

Sensitization

No data on skin sensitization due to this product.

Carcinogenicity

Classification

Section 11. Toxicological information

Ingredient name	ACGIH	IARC	NTP
carbon black	-	2B	-

Mutagenicity
No known significant effects or critical hazards.

Reproductive toxicity
Suspected of damaging fertility or the unborn child.

Teratogenicity
No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)
No known significant effects or critical hazards.

Specific target organ toxicity (repeated exposure)
No known significant effects or critical hazards.

Aspiration hazard
No known significant effects or critical hazards.

Potential acute health effects

Eye contact
Causes eye irritation.

Inhalation
No known significant effects or critical hazards.

Skin contact
Causes skin irritation.

Ingestion
No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact
Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation
Adverse symptoms may include the following: respiratory tract irritation, coughing.

Skin contact
Adverse symptoms may include the following: irritation, redness.

Ingestion
Adverse symptoms may include the following: Irritating to mouth, throat and stomach.

Section 12. Ecological information

Toxicity

Ingredient name	Result
carbon black	**Acute - EC50 - Fresh water** OECD Daphnia - Water flea - *Daphnia magna* - Neonate Age: <24 hours 37.563 mg/l [48 hours] Effect: Intoxication
propylidynetrimethanol	**Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* Age: 1 to 3 days 13 g/l [48 hours] Effect: Intoxication **Acute - LC50 - Marine water** Fish - Sheepshead minnow - *Cyprinodon variegatus* 14.4 g/l [96 hours] Effect: Mortality

Persistence and degradability
Not available.

Bioaccumulative potential

Ingredient name	$LogP_{ow}$	BCF	Potential
propylidynetrimethanol	-0.47	<1 [OECD 305 C]	Low

Section 12. Ecological information

Mobility in soil

Soil/Water partition coefficient

Not available.

Other adverse effects

No known effect according to our database.

Section 13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid disposal. Attempt to use product completely in accordance with intended use. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

DOT /TDG / IMDG/IMO / ICAO/IATA and National regulations.

UN number	Not regulated.
Proper shipping name	Not regulated.
Transport hazard class(es)	Not regulated.



Packing group	Not regulated.
Additional information	US regulations require the reporting of spills when the amount exceeds the Reportable Quantity (RQ) for specific components of this material. See CERCLA in Section 15, Regulatory Information, for the Reportable Quantities. **IMDG** No additional information. **IATA** No additional information.
Environmental hazards	Marine pollutant: No.
Special precautions for user	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

International regulations lists

United States inventory (TSCA 8b)	All components are active or exempted.
Australia (AICS)	All components are listed or exempted.
Canada (DSL)	All components are listed or exempted.
China (IECSC)	All components are listed or exempted.
New Zealand (NZIoC)	All components are listed or exempted.
Philippines (PICCS)	All components are listed or exempted.
Japan (ENCS)	**Not determined.**
Republic of Korea (KECI)	All components are listed or exempted.
Taiwan (CSNN)	All components are listed or exempted.

U.S. Federal regulations

SARA 311/312

Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

Section 15. Regulatory information

SARA 313

	Ingredient name	CAS number
Form R - Reporting requirements	None.	

CERCLA RQ - None.

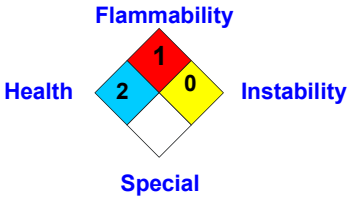
State regulations

California Prop. 65

⚠ **WARNING**: This product can expose you to chemicals including Titanium dioxide and Carbon black, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Section 16. Other information

National Fire Protection Association (U.S.A.)



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History

Date of issue	03/03/2026
Date of previous issue	Not applicable.
Version	1.0
Prepared by	AOC Corporate Regulatory Affairs
Key to abbreviations	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

Indicates information that has changed from previously issued version.

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