

Revision Number: 001.0  
SDS xMODEL17-Clear US-EN Rev 1.0

Issue date: 09/26/2022

<b>Product name:</b>	<b>xMODEL17-Clear</b>	<b>IDH number:</b>	2895275
<b>Product type/use:</b>	3D Printing		
<b>Restriction of Use:</b>	None identified	<b>Region:</b>	United States
<b>Company address:</b>		<b>Contact information:</b>	
Henkel Corporation		Telephone: +1 (860) 571-5100	
One Henkel Way		MEDICAL EMERGENCY Phone: Poison Control Center	
Rocky Hill, Connecticut 06067		1-877-671-4608 (toll free) or 1-303-592-1711	
		TRANSPORT EMERGENCY Phone: CHEMTREC	
		1-800-424-9300 (toll free) or 1-703-527-3887	
		Internet: www.henkeln.com	

EMERGENCY OVERVIEW	
<b>WARNING:</b>	CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2

### Precautionary Statements

<b>Prevention:</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection.
<b>Response:</b>	IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.
<b>Storage:</b>	Store locked up.
<b>Disposal:</b>	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**See Section 11 for additional toxicological information.**

Hazardous Component(s)	CAS Number	Percentage*
Acrylic Resin	Proprietary	10 - 30
High boiling methacrylate	Proprietary	10 - 30
Hydroxyalkyl methacrylate	Proprietary	5 - 10
Aromatic methacrylate	10595-06-9	5 - 10
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	1 - 5
Diacrylate ester	Proprietary	0.1 - 1
Mixture of less 3-(4-(2-Hydroxy-2-methylpropionyl)phenyl)-1,1,3-trimethylindan-6-yl 2-hydroxyprop-2yl ketone and 3-(4-(2-Hydroxy-2-m	163702-01-0	0.1 - 1
Triacrylate ester	Proprietary	0.1 - 1
Methacrylate	Proprietary	0.1 - 1
Ethylene glycol monophenyl ether	122-99-6	0.1 - 1
Acrylate	Proprietary	0.1 - 1

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Symptoms:</b>	See Section 11.
<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide. Do not use high volume water jet.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.
<b>Unusual fire or explosion hazards:</b>	Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.

**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.
<b>Handling:</b>	Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.
<b>Storage:</b>	Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Protect from direct sunlight. Keep away from heat, spark and flame.

**Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.**

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Acrylic Resin	None	None	None	None
High boiling methacrylate	None	None	None	None
Hydroxyalkyl methacrylate	None	None	None	None
Aromatic methacrylate	None	None	None	None
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	None	None	None	None
Diacrylate ester	None	None	None	None
Mixture of less 3-(4-(2-Hydroxy-2-methylpropionyl)phenyl)-1,1,3-trimethylindan-6-yl 2-hydroxyprop-2-yl ketone and 3-(4-(2-Hydroxy-2-methylpropionyl)phenyl)-1,1,3-trimethylindan-6-yl 2-hydroxyprop-2-yl ketone	None	None	None	None
Triacrylate ester	None	None	None	None
Methacrylate	None	None	None	None
Ethylene glycol monophenyl ether	None	None	None	25 ppm (SKIN)
Acrylate	None	None	None	None

<b>Engineering controls:</b>	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.
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<b>Skin protection:</b>	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Neoprene gloves.
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<b>Physical state:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	acrylic
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable, Product is non-soluble (in water).
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	> 149 °C (> 300.2 °F) Boiling point
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	1.0 - 1.2 at 20 °C (68°F)
<b>Vapor density:</b>	Not available.
<b>Flash point:</b>	> 93.3 °C (> 199.94 °F)
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Flammability:</b>	Not applicable
<b>Evaporation rate:</b>	Not available.
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	Not available.
<b>Viscosity:</b>	400 - 600 mPa.s
<b>Decomposition temperature:</b>	Not available.

<b>Stability:</b>	Stable under normal conditions of storage and use.
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<b>Hazardous reactions:</b>	Polymerization may occur at elevated temperature or in the presence of incompatible materials. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers.
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<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.
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<b>Incompatible materials:</b>	Strong reducing agents. Free radical initiators. Inert gases. Oxygen scavengers. Strong oxidizing agents. Amines, strong alkalies Reactive metals. Peroxides. Alcohols. Isocyanates. Iron. Rust. Strong bases.
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<b>Reactivity:</b>	Not available.
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<b>Conditions to avoid:</b>	Extremes of temperature and direct sunlight. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials. UV light. Loss of dissolved air.
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<b>Relevant routes of exposure:</b>	Skin, Inhalation, Eyes, Ingestion
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**Potential Health Effects/Symptoms**

<b>Inhalation:</b>	Inhalation of vapors or mists of the product may be irritating to the respiratory system. Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache, weakness, peripheral drowsiness.
<b>Skin contact:</b>	Causes skin irritation. May cause allergic skin reaction.
<b>Eye contact:</b>	Causes serious eye damage.
<b>Ingestion:</b>	May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Acrylic Resin	None	No Records
High boiling methacrylate	None	Irritant, Allergen
Hydroxyalkyl methacrylate	Oral LD50 (Rat) = 11.2 g/kg Oral LD50 (Rat) = 5,050 mg/kg	Irritant, Allergen
Aromatic methacrylate	None	Irritant, Allergen
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	None	No Records
Diacylate ester	None	Irritant, Allergen, Eyes
Mixture of less 3-(4-(2-Hydroxy-2-methylpropionyl)phenyl)-1,1,3-trimethylindan-6-yl 2-hydroxyprop-2-yl ketone and 3-(4-(2-Hydroxy-2-m	None	No Data
Triacylate ester	None	Allergen, Irritant
Methacrylate	None	Allergen, Irritant

Ethylene glycol monophenyl ether	Oral LD50 (Rat) = 1,260 mg/kg Oral LD50 (Rat) = 13,700 mg/kg Oral LD50 (Mouse) = 16,500 mg/kg	Blood, Central nervous system, Developmental, Irritant, Kidney, Reproductive
Acrylate	Dermal LD50 (Rabbit) = 1,010 mg/kg	Allergen, Central nervous system, Heart, Irritant, Kidney, Liver, Lung, Some evidence of carcinogenicity, Spleen

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Acrylic Resin	No	No	No
High boiling methacrylate	No	No	No
Hydroxyalkyl methacrylate	No	No	No
Aromatic methacrylate	No	No	No
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	No	No	No
Diacrylate ester	No	No	No
Mixture of less 3-(4-(2-Hydroxy-2-methylpropionyl)phenyl)-1,1,3-trimethylindan-6-yl 2-hydroxyprop-2-yl ketone and 3-(4-(2-Hydroxy-2-m	No	No	No
Triacrylate ester	No	No	No
Methacrylate	No	No	No
Ethylene glycol monophenyl ether	No	No	No
Acrylate	No	No	No

**Ecological information:** Not available.

**Information provided is for unused product only.**

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

**U.S. Department of Transportation Ground (49 CFR)**

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

<b>International Air Transportation (ICAO/IATA)</b>	
<b>Proper shipping name:</b>	Environmentally hazardous substance, liquid, n.o.s. (Dicyclopentylidimethylene diacrylate, 2-Phenoxyethyl methacrylate)
<b>Hazard class or division:</b>	9
<b>Identification number:</b>	UN 3082
<b>Packing group:</b>	III

<b>Water Transportation (IMO/IMDG)</b>	
<b>Proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dicyclopentylidimethylene diacrylate, 2-Phenoxyethyl methacrylate)
<b>Hazard class or division:</b>	9
<b>Identification number:</b>	UN 3082
<b>Packing group:</b>	III
<b>Marine pollutant:</b>	Dicyclopentylidimethylene diacrylate, 2-Phenoxyethyl methacrylate

**United States Regulatory Information**

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
<b>TSCA 12 (b) Export Notification:</b>	None above reporting de minimis

<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimis.
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health, Delayed Health
<b>CERCLA/SARA Section 313:</b>	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Aromatic methacrylate (CAS# 10595-06-9). Ethylene glycol monophenyl ether (CAS# 122-99-6).

<b>California Proposition 65:</b>	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
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**Canada Regulatory Information**

<b>CEPA DSL/NDL Status:</b>	One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.
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**This safety data sheet contains changes from the previous version in sections:** First issue.

<b>Prepared by:</b>	Product Safety and Regulatory Affairs
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<b>Issue date:</b>	09/26/2022
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