



## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Screen Print UV Gloss Clear 9760LX

#### Product Identification Numbers

75-0400-3390-6, 75-0400-3392-2, 75-3472-7553-1, 75-3472-7554-9  
7100095374, 7010346435, 7100175412, 7100175357

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Clear coat for latex inks, Ink

#### 1.3. Supplier's details

<b>MANUFACTURER:</b>	3M
<b>DIVISION:</b>	Commercial Solutions Division
<b>ADDRESS:</b>	3M Center, St. Paul, MN 55144-1000, USA
<b>Telephone:</b>	1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Acute Toxicity (oral): Category 4.  
Acute Toxicity (dermal): Category 4.  
Serious Eye Damage/Irritation: Category 1.  
Skin Corrosion/Irritation: Category 2.  
Skin Sensitizer: Category 1A.  
Reproductive Toxicity: Category 1B.  
Specific Target Organ Toxicity (repeated exposure): Category 2.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Corrosion | Exclamation mark | Health Hazard |

**Pictograms****Hazard Statements**

Harmful if swallowed.  
Harmful in contact with skin.  
Causes serious eye damage.  
Causes skin irritation.  
May cause an allergic skin reaction.  
May damage fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure:  
gastrointestinal tract |  
immune system |  
skin |

**Precautionary Statements****Prevention:**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Wear protective gloves, protective clothing, and eye/face protection.  
Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF ON SKIN: Wash with plenty of soap and water.  
Immediately call a POISON CENTER or doctor/physician.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Rinse mouth.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage:**

Keep container tightly closed.  
Keep cool.  
Store locked up in a well-ventilated place.

**Disposal:**

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

33% of the mixture consists of ingredients of unknown acute oral toxicity.  
33% of the mixture consists of ingredients of unknown acute dermal toxicity.  
90% of the mixture consists of ingredients of unknown acute inhalation toxicity.

**SECTION 3: Composition/information on ingredients**

Ingredient	C.A.S. No.	% by Wt
N,N-DIMETHYLACRYLAMIDE	2680-03-7	20 - 30 Trade Secret *
Acrylic Polymers	Trade Secret*	10 - 15 Trade Secret *
1,6-hexanediol diacrylate	13048-33-4	5 - 10 Trade Secret *
Acrylate Polymer	72162-39-1	5 - 10 Trade Secret *
Amine Modified Acrylic Oligomer	67906-98-3	5 - 10 Trade Secret *
ISOBORNYL ACRYLATE	5888-33-5	5 - 10 Trade Secret *
1-HYDROXYCYCLOHEXYL PHENYL KETONE	947-19-3	3 - 7 Trade Secret *
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	75980-60-8	1 - 5 Trade Secret *
VINYL ACETATE-VINYL ALCOHOL-VINYL CHLORIDE POLYMER	25086-48-0	1 - 5 Trade Secret *
Triazine UV Stabilizer	Trade Secret*	1 - 5 Trade Secret *
UV stabilizer	Trade Secret*	1 - 5 Trade Secret *
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-1,6-HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE RCTN PROD, METHYLATED	193098-40-7	0.5 - 1 Trade Secret *
PHENOXY ETHYL ACRYLATE	48145-04-6	< 1 Trade Secret *
Siloxanes and Silicones, 3-[3-(acetyloxy)-2-hydroxypropoxy]propyl Me, di-Me, 3-[2-hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl Me	125455-51-8	< 1 Trade Secret *

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

#### Skin Contact:

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

#### Eye Contact:

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

#### If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Allergic skin reaction (redness, swelling, blistering, and itching). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision). Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

### 5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

### Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Formaldehyde	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

### 5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

### 6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with detergent and water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (gloves, respirators, etc.) as required.

### 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight. Store away from heat. Store away from oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
1,6-hexanediol diacrylate	13048-33-4	AIHA	TWA:1 mg/m <sup>3</sup> (0.11 ppm)	Dermal Sensitizer
N,N-DIMETHYLACRYLAMIDE	2680-03-7	Manufacturer determined	TWA(8 hours):3.2 mg/m <sup>3</sup> (0.8 ppm)	SKIN

ACGIH : American Conference of Governmental Industrial Hygienists  
 AIHA : American Industrial Hygiene Association  
 CMRG : Chemical Manufacturer's Recommended Guidelines  
 OSHA : United States Department of Labor - Occupational Safety and Health Administration  
 TWA: Time-Weighted-Average  
 STEL: Short Term Exposure Limit  
 CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

- Full Face Shield
- Indirect Vented Goggles

**Skin/hand protection**

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

**Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

- Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates, including oily mists

For questions about suitability for a specific application, consult with your respirator manufacturer.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

**Physical state**  
**Color**

Liquid  
 Colorless

<b>Odor</b>	Acrylate
<b>Odor threshold</b>	No Data Available
<b>pH</b>	No Data Available
<b>Melting point</b>	No Data Available
<b>Boiling Point</b>	>=200 °F
<b>Flash Point</b>	>=200 °F [Test Method:Closed Cup]
<b>Evaporation rate</b>	<=1 [Test Method:Estimated] [Ref Std:WATER=1]
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Flammable Limits(LEL)</b>	No Data Available
<b>Flammable Limits(UEL)</b>	No Data Available
<b>Vapor Pressure</b>	No Data Available
<b>Vapor Density</b>	No Data Available
<b>Density</b>	1.3 g/ml
<b>Specific Gravity</b>	1.3 [Ref Std:WATER=1]
<b>Solubility in Water</b>	Moderate
<b>Solubility- non-water</b>	Moderate
<b>Partition coefficient: n-octanol/ water</b>	No Data Available
<b>Autoignition temperature</b>	No Data Available
<b>Decomposition temperature</b>	No Data Available
<b>Viscosity</b>	No Data Available
<b>Average particle size</b>	Not Applicable
<b>Bulk density</b>	No Data Available
<b>Hazardous Air Pollutants</b>	No Data Available
<b>Molecular weight</b>	No Data Available
<b>Volatile Organic Compounds</b>	No Data Available
<b>Percent volatile</b>	No Data Available
<b>Softening point</b>	Not Applicable
<b>VOC Less H2O &amp; Exempt Solvents</b>	No Data Available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization may occur. Upon depletion of inhibitor or exposure to heat

### 10.4. Conditions to avoid

Heat

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

#### Substance

None known.

#### Condition

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1. Information on Toxicological effects

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation:

May be harmful if inhaled. Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May cause additional health effects (see below).

#### Skin Contact:

Harmful in contact with skin. Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

#### Eye Contact:

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

#### Ingestion:

Harmful if swallowed. Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May cause additional health effects (see below).

#### Additional Health Effects:

#### Prolonged or repeated exposure may cause target organ effects:

Immunological Effects: Signs/symptoms may include alterations in the number of circulating immune cells, allergic skin and/or respiratory reaction, and changes in immune function.

Gastrointestinal Effects: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Dermal Effects: Signs/symptoms may include redness, itching, acne, or bumps on the skin.

#### Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

#### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

#### Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >1,000 - =2,000

			mg/kg
Overall product	Inhalation-Dust/Mist(4 hr)		No data available; calculated ATE >5 - =12.5 mg/l
Overall product	Ingestion		No data available; calculated ATE >300 - =2,000 mg/kg
N,N-DIMETHYLACRYLAMIDE	Dermal	Rat	LD50 907 mg/kg
N,N-DIMETHYLACRYLAMIDE	Ingestion	Rat	LD50 > 215 mg/kg
ISOBORNYL ACRYLATE	Dermal	Rabbit	LD50 > 5,000 mg/kg
ISOBORNYL ACRYLATE	Ingestion	Rat	LD50 4,350 mg/kg
1,6-hexanediol diacrylate	Dermal	Rabbit	LD50 3,636 mg/kg
1,6-hexanediol diacrylate	Ingestion	Rat	LD50 > 5,000 mg/kg
1-HYDROXYCYCLOHEXYL PHENYL KETONE	Dermal	Rat	LD50 > 5,000 mg/kg
1-HYDROXYCYCLOHEXYL PHENYL KETONE	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 1 mg/l
1-HYDROXYCYCLOHEXYL PHENYL KETONE	Ingestion	Rat	LD50 2,500 mg/kg
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	Ingestion	Rat	LD50 > 5,000 mg/kg
VINYL ACETATE-VINYL ALCOHOL-VINYL CHLORIDE POLYMER	Dermal	Rabbit	LD50 > 8,000 mg/kg
VINYL ACETATE-VINYL ALCOHOL-VINYL CHLORIDE POLYMER	Ingestion	Rat	LD50 > 8,000 mg/kg
UV stabilizer	Dermal	Rat	LD50 > 2,000 mg/kg
UV stabilizer	Ingestion	Rat	LD50 > 2,000 mg/kg
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-1,6-HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE RCTN PROD, METHYLATED	Dermal	Rat	LD50 > 2,000 mg/kg
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-1,6-HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE RCTN PROD, METHYLATED	Ingestion	Rat	LD50 >500, <2,000 mg/kg
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-1,6-HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE RCTN PROD, METHYLATED	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 2.8 mg/l
PHENOXY ETHYL ACRYLATE	Dermal	Rat	LD50 > 2,000 mg/kg
PHENOXY ETHYL ACRYLATE	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

Name	Species	Value
N,N-DIMETHYLACRYLAMIDE	Rabbit	No significant irritation
ISOBORNYL ACRYLATE	Rabbit	Minimal irritation
1,6-hexanediol diacrylate	Rabbit	Irritant
Amine Modified Acrylic Oligomer	similar compounds	Irritant
Acrylate Polymer	similar compounds	Irritant
1-HYDROXYCYCLOHEXYL PHENYL KETONE	Rabbit	No significant irritation
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	Rabbit	No significant irritation
VINYL ACETATE-VINYL ALCOHOL-VINYL CHLORIDE POLYMER	Professional judgement	No significant irritation
UV stabilizer	Rabbit	No significant irritation
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-1,6-HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE RCTN PROD, METHYLATED	Rabbit	No significant irritation
PHENOXY ETHYL ACRYLATE	Rabbit	No significant irritation



**Serious Eye Damage/Irritation**

Name	Species	Value
N,N-DIMETHYLACRYLAMIDE	In vitro data	Corrosive
ISOBORNYL ACRYLATE	Rabbit	Mild irritant
1,6-hexanediol diacrylate	Rabbit	Moderate irritant
Amine Modified Acrylic Oligomer	similar compounds	Severe irritant
Acrylate Polymer	similar compounds	Severe irritant
1-HYDROXYCYCLOHEXYL PHENYL KETONE	Rabbit	Mild irritant
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	Rabbit	No significant irritation
VINYL ACETATE-VINYL ALCOHOL-VINYL CHLORIDE POLYMER	Professional judgement	No significant irritation
UV stabilizer	Rabbit	No significant irritation
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-1,6-HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE RCTN PROD, METHYLATED	Rabbit	Severe irritant
PHENOXY ETHYL ACRYLATE	Rabbit	No significant irritation

**Skin Sensitization**

Name	Species	Value
N,N-DIMETHYLACRYLAMIDE	Multiple animal species	Not classified
ISOBORNYL ACRYLATE	Mouse	Sensitizing
1,6-hexanediol diacrylate	Guinea pig	Sensitizing
Amine Modified Acrylic Oligomer	similar compounds	Sensitizing
1-HYDROXYCYCLOHEXYL PHENYL KETONE	Guinea pig	Not classified
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	Mouse	Sensitizing
UV stabilizer	Mouse	Not classified
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-1,6-HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE RCTN PROD, METHYLATED	Guinea pig	Not classified
PHENOXY ETHYL ACRYLATE	Guinea pig	Sensitizing

**Respiratory Sensitization**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity**

Name	Route	Value
N,N-DIMETHYLACRYLAMIDE	In vivo	Not mutagenic
N,N-DIMETHYLACRYLAMIDE	In Vitro	Some positive data exist, but the data are not sufficient for classification
ISOBORNYL ACRYLATE	In Vitro	Not mutagenic
1,6-hexanediol diacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
1-HYDROXYCYCLOHEXYL PHENYL KETONE	In Vitro	Not mutagenic
1-HYDROXYCYCLOHEXYL PHENYL KETONE	In vivo	Not mutagenic
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	In Vitro	Not mutagenic
UV stabilizer	In Vitro	Not mutagenic
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-1,6-HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6-TRICHLORO-	In Vitro	Not mutagenic

1,3,5-TRIAZINE RCTN PROD, METHYLATED

**Carcinogenicity**

Name	Route	Species	Value
1,6-hexanediol diacrylate	Dermal	Mouse	Not carcinogenic

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure Duration
N,N-DIMETHYLACRYLAMIDE	Ingestion	Not classified for female reproduction	Rat	NOAEL 30 mg/kg/day	prematuring into lactation
N,N-DIMETHYLACRYLAMIDE	Ingestion	Not classified for male reproduction	Rat	NOAEL 30 mg/kg/day	29 days
N,N-DIMETHYLACRYLAMIDE	Ingestion	Not classified for development	Rat	NOAEL 30 mg/kg/day	prematuring into lactation
N,N-DIMETHYLACRYLAMIDE	Dermal	Not classified for male reproduction	Rat	NOAEL 250 mg/kg/day	13 weeks
ISOBORNYL ACRYLATE	Ingestion	Not classified for male reproduction	Rat	NOAEL 500 mg/kg/day	31 days
ISOBORNYL ACRYLATE	Ingestion	Not classified for female reproduction	Rat	NOAEL 100 mg/kg/day	prematuring into lactation
ISOBORNYL ACRYLATE	Ingestion	Not classified for development	Rat	NOAEL 100 mg/kg/day	prematuring into lactation
1,6-hexanediol diacrylate	Not Specified	Not classified for development	Rat	NOAEL 750 mg/kg/day	during organogenesis
1-HYDROXYCYCLOHEXYL PHENYL KETONE	Ingestion	Not classified for development	Rat	NOAEL 900 mg/kg/day	during gestation
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	Ingestion	Not classified for development	Rat	NOAEL 150 mg/kg/day	during gestation
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	Ingestion	Toxic to female reproduction	Rat	NOAEL 200 mg/kg/day	prematuring into lactation
2,4,6-Trimethylbenzoyldiphenylphosphine oxide	Ingestion	Toxic to male reproduction	Rat	NOAEL 60 mg/kg/day	85 days
PHENOXY ETHYL ACRYLATE	Ingestion	Not classified for male reproduction	Rat	NOAEL 800 mg/kg/day	43 days
PHENOXY ETHYL ACRYLATE	Ingestion	Toxic to female reproduction	Rat	NOAEL 300 mg/kg/day	prematuring into lactation
PHENOXY ETHYL ACRYLATE	Ingestion	Toxic to development	Rat	NOAEL 300 mg/kg/day	prematuring into lactation

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
N,N-DIMETHYLACRYLAMIDE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	Irritation Positive	
N,N-DIMETHYLACRYLAMIDE	Inhalation	central nervous system depression	Not classified		NOAEL Not available	
1,6-hexanediol diacrylate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
Amine Modified Acrylic Oligomer	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Acrylate Polymer	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for	similar health	NOAEL Not available	

PIPERIDINYL)-1,6- HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6- TRICHLORO-1,3,5- TRIAZINE RCTN PROD, METHYLATED			classification	hazards		
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**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
N,N-DIMETHYLACRYLAMIDE	Dermal	heart   endocrine system   hematopoietic system   liver   nervous system   kidney and/or bladder	Not classified	Rat	NOAEL 250 mg/kg/day	13 weeks
ISOBORNYL ACRYLATE	Ingestion	gastrointestinal tract   immune system   kidney and/or bladder   heart   endocrine system   hematopoietic system   liver   nervous system   respiratory system	Not classified	Rat	NOAEL 500 mg/kg/day	31 days
1,6-hexanediol diacrylate	Dermal	skin	May cause damage to organs though prolonged or repeated exposure	Mouse	LOAEL 70 mg/kg/day	80 weeks
1-HYDROXYCyclohexyl phenyl ketone	Ingestion	endocrine system   liver   kidney and/or bladder   heart   blood   immune system   nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
2,4,6-Trimethylbenzoyldiphenyl phosphine oxide	Ingestion	skin   blood   liver   kidney and/or bladder   nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-1,6-HEXANEDIAMINE, POLYMERS W/MORPHOLINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE RCTN PROD, METHYLATED	Ingestion	gastrointestinal tract   immune system	May cause damage to organs though prolonged or repeated exposure	Rat	NOAEL 15 mg/kg/day	28 days

**Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**SECTION 12: Ecological information****Ecotoxicological information**

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

**Chemical fate information**

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

**EPA Hazardous Waste Number (RCRA):** D018 (Benzene)

## SECTION 14: Transport Information

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: Regulatory information

### 15.1. US Federal Regulations

Contact 3M for more information.

#### EPCRA 311/312 Hazard Classifications:

##### Physical Hazards

Not applicable

##### Health Hazards

Acute toxicity

Reproductive toxicity

Respiratory or Skin Sensitization

Serious eye damage or eye irritation

Skin Corrosion or Irritation

Specific target organ toxicity (single or repeated exposure)

### 15.2. State Regulations

Contact 3M for more information.

### 15.3. Chemical Inventories

The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information.

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

#### 15.4. International Regulations

Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### SECTION 16: Other information

#### NFPA Hazard Classification

**Health:** 3 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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