

## N3D-DIELEC731

**1. PRODUCT AND COMPANY IDENTIFICATION****Company**

Arkema Inc.  
900 First Avenue  
King of Prussia, Pennsylvania 19406

**Sartomer**

**Customer Service Telephone Number:** (800) SARTOMER  
(Monday through Friday, 8:00 AM to 5:00 PM EST)

**Emergency Information**

**Transportation:** CHEMTREC: (800) 424-9300  
(24 hrs., 7 days a week)

**Medical:** Rocky Mountain Poison Center: (866) 767-5089  
(24 hrs., 7 days a week)

**Product Information**

**Product name:** N3D-DIELEC731  
**Synonyms:** Monomer/Oligomer Blend  
**Molecular formula:** Proprietary Mixture  
**Chemical family:** acrylic-like  
**Product use:** Electronics

**SECTION 2: HAZARDS IDENTIFICATION****Emergency Overview**

**Color:** yellow  
**Physical state:** liquid  
**Form:** viscous  
**Odor:** acrylic-like

**\*Classification of the substance or mixture:**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Oral: Acute toxicity, Category 4, H302  
Skin irritation, Category 2, H315  
Eye irritation, Category 2A, H319  
Skin sensitisation, Category 1, H317  
Specific target organ toxicity - repeated exposure, Category 2, H373  
Chronic aquatic toxicity, Category 3, H412

\*For the full text of the H-Statements mentioned in this Section, see Section 16.

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**GHS-Labeling**

Hazard pictograms:



Signal word:

**Warning****Hazard statements:**

H302 : Harmful if swallowed.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H319 : Causes serious eye irritation.

H373 : May cause damage to organs through prolonged or repeated exposure.

H412 : Harmful to aquatic life with long lasting effects.

**Supplemental Hazard Statements:**Specific target organ toxicity - repeated exposure:  
liver.

Processing may release vapors and/or fumes which cause eye, skin and respiratory tract irritation.

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**Precautionary statements:****Prevention:**

P260 : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 : Wash skin thoroughly after handling.  
P270 : Do not eat, drink or smoke when using this product.  
P272 : Contaminated work clothing should not be allowed out of the workplace.  
P273 : Avoid release to the environment.  
P280 : Wear eye protection and face protection.  
P280 : Wear protective gloves.

**Response:**

P301 + P312 : IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P302 + P352 : IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P314 : Get medical advice/ attention if you feel unwell.  
P330 : Rinse mouth.  
P333 + P313 : If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 : If eye irritation persists: Get medical advice/ attention.  
P362 : Take off contaminated clothing and wash before reuse.

**Disposal:**

P501 : Dispose of contents or container to an approved waste disposal plant.

**Supplemental information:****Potential Health Effects:**

If swallowed may cause irritation of the digestive tract. Possible cross sensitization with other acrylates and methacrylates. Effects due to processing releases or residual monomer: Irritating to eyes, respiratory system and skin. May cause allergic respiratory reaction.  
Prolonged or repeated exposure may cause: headache, drowsiness, nausea, weakness, (severity of effects depends on extent of exposure).

**Medical conditions aggravated by overexposure:**

Respiratory disease or diminished respiratory capacity. Asthma. (Data for residual monomer that may be released during processing)

**Other:**

Product not completely tested. Take maximum precautions when handling. This product may release fume and/or vapor of variable composition depending on processing time and temperature. Possible release of traces of residual monomer. Isocyanates may cause acute irritation and/or sensitisation of the respiratory system leading to tightness of the chest, wheeziness and an asthmatic condition.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

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Chemical name	CAS-No.	Wt/Wt	GHS Classification**
Proprietary ingredient	Proprietary*	>= 30 - < 60 %	H302, H312, H373
tricyclodecane dimethanol dimethacrylate	43048-08-4	>= 10 - < 30 %	H317, H411
Aliphatic Urethane Acrylate	Proprietary*	>= 10 - < 30 %	H315, H319
Polyphenylene ether	Proprietary*	>= 10 - < 30 %	Not classified
Methacrylate ester	Proprietary*	>= 5 - < 10 %	Not classified
Methacrylic ester	Proprietary*	>= 1 - < 5 %	Not classified
Proprietary additive	Proprietary*	>= 1 - < 5 %	H317, H413

\*The specific chemical identity is withheld because it is trade secret information of Arkema Inc.

\*\*For the full text of the H-Statements mentioned in this Section, see Section 16.

#### SECTION 4: FIRST AID MEASURES

##### 4.1. Description of necessary first-aid measures:

###### **Inhalation:**

If inhaled, remove victim to fresh air.

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**Skin:**

In case of contact, immediately flush skin with soap and plenty of water. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. Remove contaminated clothing and shoes.

**Eyes:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion:**

If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Never give anything by mouth to an unconscious person. Rinse mouth.

**4.2. Most important symptoms/effects, acute and delayed:**

For most important symptoms and effects (acute and delayed), see Section 2 (Hazard Statements and Supplemental Information if applicable) and Section 11 (Toxicology Information) of this SDS.

**4.3. Indication of any immediate medical attention and special treatment needed:**

Unless otherwise noted in Notes to Physician, no specific treatment noted; treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****Extinguishing media (suitable):**

Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical

**Protective equipment:**

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

**Further firefighting advice:**

Fight fire from a protected location.

Cool closed containers exposed to fire with water spray.

Closed containers of this material may explode when subjected to heat from surrounding fire.

Do not allow run-off from fire fighting to enter drains or water courses.

Fire fighting equipment should be thoroughly decontaminated after use.

**Fire and explosion hazards:**

When burned, the following hazardous products of combustion can occur:

Carbon oxides

Hazardous organic compounds

phosphorous oxides

Amines

hydrogen cyanide

Isocyanates

Nitrogen oxides (NO<sub>x</sub>)

Polymerization is exothermic and can degenerate into an uncontrolled reaction.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:**

Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

**Protective equipment:**

Appropriate personal protective equipment is set forth in Section 8.

**SECTION 7: HANDLING AND STORAGE****Handling****General information on handling:**

Do not taste or swallow.  
Avoid breathing vapor or mist.  
Avoid contact with skin, eyes and clothing.  
Keep container closed.  
Use only with adequate ventilation.  
Wash thoroughly after handling.  
Emptied container retains vapor and product residue.  
Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.  
Viscous materials and those supplied as solids at room temperature may require heating to facilitate handling and transfer from their original containers. This product may be heated to a maximum of 80C/176F for up to 24 hours. Do NOT use localized heat sources such as band heaters or steam. Use hot boxes or hot rooms for heating or melting. Ensure air space (oxygen) is present during product heating/melting. Do not overheat--this may compromise product quality and/or result in an uncontrolled hazardous polymerization. This product should be consumed in its entirety after heating/melting. Avoid re-heating multiple times; this may cause product degradation. If this product freezes, heat it as specified above and mix gently to redistribute the inhibitor.

**Storage****General information on storage conditions:**

Keep in a dry, cool place. Store in closed containers, in a secure area to prevent container damage and subsequent spillage. Store out of direct sunlight in a cool well-ventilated place. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers; avoid storage under an oxygen-free atmosphere.

**Storage stability – Remarks:**

Inhibitor levels should be maintained. The typical shelf-life for this product is 6 months.

**Storage incompatibility – General:**

Store separate from:  
Strong oxidizing agents

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Strong reducing agents  
Free radical generators  
Inert gas  
Oxygen scavenger.  
Peroxides

**Temperature tolerance – Do not store below:**  
32 °F (0 °C)

**Temperature tolerance – Do not store above:**  
100 °F (38 °C)

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Airborne Exposure Guidelines:****Engineering controls:**

Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

**Respiratory protection:**

Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

**Skin protection:**

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Avoid natural rubber gloves. Wear chemical goggles, a face shield, and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing immediately and wash before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

**Eye protection:**

Where there is potential for eye contact, wear chemical goggles and have eye flushing equipment immediately available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Color:</b>	yellow
<b>Physical state:</b>	liquid
<b>Form:</b>	viscous
<b>Odor:</b>	acrylic-like
<b>Odor threshold:</b>	No data available.
<b>Flash point</b>	No data available
<b>Auto-ignition temperature:</b>	No data available.
<b>Lower flammable limit (LFL):</b>	No data available.
<b>Upper flammable limit (UFL):</b>	No data available.
<b>pH:</b>	No data available.
<b>Density:</b>	No data available.
<b>Specific Gravity (Relative density):</b>	No data available
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Boiling point/boiling range:</b>	No data available.
<b>Melting point/range:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Evaporation rate:</b>	No data available.
<b>Solubility in water:</b>	No data available.
<b>Viscosity, dynamic:</b>	1,960 CPS 77 °F (25 °C)
<b>Oil/water partition coefficient:</b>	No data available.
<b>Thermal decomposition:</b>	No data available.

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## N3D-DIELEC731

**Flammability:** See GHS Classification in Section 2 if applicable

**SECTION 10: STABILITY AND REACTIVITY****Stability:**

This material is chemically stable under normal and anticipated storage, handling and processing conditions. However, this material can undergo hazardous polymerization.

**Hazardous reactions:**

Hazardous polymerisation may occur.  
Polymerization is exothermic and can degenerate into an uncontrolled reaction.

**Materials to avoid:**

Strong reducing agents  
Free radical generators  
Inert gas  
Oxygen scavenger.  
Peroxides  
Strong oxidizing agents

**Conditions / hazards to avoid:**

This material polymerizes exothermically in the presence of heat, contamination, oxygen free atmosphere, free radicals, peroxides and inhibitor depletion liberating heat. Avoid direct sunlight. Do NOT expose to ultraviolet light.

**Hazardous decomposition products:**

Thermal decomposition giving flammable and toxic products :  
Carbon oxides  
Acrylates  
Methacrylates  
Amines  
Nitrogen oxides (NO<sub>x</sub>)  
Isocyanates  
Hazardous organic compounds  
Hydrogen cyanide  
phosphorous oxides

**SECTION 11: TOXICOLOGICAL INFORMATION**

Data on this material and/or its components are summarized below.

**Data for N3D-DIELEC731****Acute toxicity****Oral:**

Harmful if swallowed. Acute toxicity estimate = 1,560 mg/kg.

**Dermal:**

May be harmful in contact with skin. Acute toxicity estimate = 2,258 mg/kg.

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**Data for Proprietary ingredient (Proprietary)****Acute toxicity****Oral:**

Harmful if swallowed. (rat) LD50 = 760 mg/kg.

**Dermal:**

Harmful in contact with skin. LD50 = 1,000 - 2,000 mg/kg. (The value is calculated, Rapidly absorbed through skin.)

**Skin Irritation:**

Practically non-irritating. (rabbit) (4 h)

**Eye Irritation:**

Not irritating. (rabbit)

**Skin Sensitization:**

Not a sensitizer. Buehler Test. (guinea pig) No skin allergy was observed.

**Repeated dose toxicity**

Repeated oral administration to rat / affected organ(s): liver, kidney, spleen, thymus / signs: reduced body weight, clinical chemistry changes, changes in organ weights, changes in organ structure or function

**Specific target organ toxicity - repeated exposure:**

May cause damage to organs through prolonged or repeated exposure. (Liver)

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, human cells, animal cells

**Genotoxicity****Assessment in Vivo:**

No genetic changes were observed in laboratory tests using: mice

**Developmental toxicity**

Exposure during pregnancy. Oral (rat) / No toxicity to reproduction. (at doses that produce effects in mothers)

**Other information**

Can be absorbed through the skin.

**Data for tricyclodecane dimethanol dimethacrylate (43048-08-4)****Acute toxicity****Oral:**

No deaths occurred. (rat) LD0 = 2,000 mg/kg.

**Dermal:**

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No deaths occurred. (rat) LD0 = 2,000 mg/kg.

**Skin Irritation:**

Not irritating. (In vitro)

**Eye Irritation:**

Not irritating. (In vitro)

**Skin Sensitization:**

May cause an allergic skin reaction. LLNA: Local Lymph Node Assay. (mouse) Skin allergy was observed.

**Repeated dose toxicity**

Repeated oral administration to rat / No adverse systemic effects reported.

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, animal cells

**Reproductive effects**

Reproductive/Developmental Effects Screening Assay. Oral (rat) / No toxicity to reproduction.

**Data for Aliphatic Urethane Acrylate (Proprietary)****Acute toxicity****Skin Irritation:**

Causes skin irritation. (estimate based on composition)

**Eye Irritation:**

Causes serious eye irritation. (estimate based on composition)

**Other information**

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

Effects due to processing releases or residual monomer:

Possible cross sensitization with other acrylates and methacrylates.

**Data for Methacrylate ester (Proprietary)****Acute toxicity****Oral:**

Practically nontoxic. (rat) LD50 > 5,000 mg/kg.

**Dermal:**

No deaths occurred. (rat) LD0 = 2,000 mg/kg.

**Inhalation:**

No deaths occurred. (rat) 1 h LC0 > 0.9 mg/l. (saturated vapor)

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**Skin Irritation:**

Not irritating. (rabbit)

**Eye Irritation:**

Not irritating. (rabbit)

**Skin Sensitization:**

Not a sensitizer. LLNA: Local Lymph Node Assay. (mouse) No skin allergy was observed.

**Repeated dose toxicity**

Repeated oral administration to rat / No adverse systemic effects reported.

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in a laboratory test using: bacteria, animal cells

**Genotoxicity****Assessment in Vivo:**

No genetic changes were observed in a laboratory test using: mice

**Developmental toxicity**

Exposure during pregnancy. Oral (rabbit) / No birth defects were observed.

**Reproductive effects**

Two generation reproduction study. Oral (rat) / No toxicity to reproduction.

**Other information**

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

Effects due to processing releases or residual monomer:

Possible cross sensitization with other acrylates and methacrylates.

**Data for Methacrylic ester (Proprietary)****Acute toxicity****Oral:**

Practically nontoxic. (rat) LD50 = 5,000 mg/kg.

**Dermal:**

Practically nontoxic. (rabbit) LD50 > 5,000 mg/kg.

**Inhalation:**

No deaths occurred. (rat) 1 h LD0 = 1.42 mg/l. (vapor)

**Skin Irritation:**

Practically non-irritating. (rabbit) (4 h)

**Eye Irritation:**

Not irritating. (rabbit)

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**Skin Sensitization:**

Not a sensitizer. LLNA: Local Lymph Node Assay. (mouse) No skin allergy was observed.

**Repeated dose toxicity**

Repeated oral administration to rat / No adverse systemic effects reported.

Subchronic oral administration to rat / signs: changes in body weight, clinical chemistry changes

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, animal cells, human cells

**Genotoxicity****Assessment in Vivo:**

No genetic changes were observed in laboratory tests using: mice

**Developmental toxicity**

Reproductive/Developmental Effects Screening Assay. Oral (rat) / No birth defects were observed.

**Reproductive effects**

Reproductive/Developmental Effects Screening Assay. Oral (rat) / No toxicity to reproduction.

**Other information**

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

Effects due to processing releases or residual monomer:

Possible cross sensitization with other acrylates and methacrylates

**Data for Proprietary additive (Proprietary)****Acute toxicity****Oral:**

No deaths occurred. (rat) LD0 = 2,000 mg/kg.

**Dermal:**

No deaths occurred. (rat) LD0 = 2,000 mg/kg.

**Skin Irritation:**

Not irritating. (rabbit) (4 h)

**Eye Irritation:**

Causes mild eye irritation. (rabbit)

**Skin Sensitization:**

May cause allergic skin reaction. Guinea pig maximization test. Skin allergy was observed. (Strong sensitizer)

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**Repeated dose toxicity**

Repeated oral administration to rat / No adverse systemic effects reported.

Subchronic oral administration to rat / No adverse systemic effects reported.

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, animal cells, human cells

**Developmental toxicity**

Exposure during pregnancy. Oral (rat) / No birth defects were observed.

**SECTION 12: ECOLOGICAL INFORMATION****Chemical Fate and Pathway**

Data on this material and/or its components are summarized below.

**Data for Proprietary ingredient (Proprietary)****Biodegradation:**

Not readily biodegradable. (28 d) biodegradation 7 %

**Octanol Water Partition Coefficient:**

log Pow: = 1.6 - 2.2, at 77 °F (25 °C)

**Data for tricyclodecane dimethanol dimethacrylate (43048-08-4)****Biodegradation:**

Not readily biodegradable. (28 d) biodegradation 28 %

**Octanol Water Partition Coefficient:**

log Pow: = 5.8

**Data for Methacrylate ester (Proprietary)****Biodegradation:**

Readily biodegradable. (28 d) biodegradation 79 %

**Additional Information:**

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

**Data for Methacrylic ester (Proprietary)****Biodegradation:**

Readily biodegradable. (28 d) biodegradation 79 %

**Additional Information:**

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

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**Data for Proprietary additive (Proprietary)****Biodegradation:**

Not readily biodegradable. (29 d) biodegradation 1 %

**Bioaccumulation:**

28 d BCF < 5 (Cyprinus carpio (Carp))

**Octanol Water Partition Coefficient:**

log Pow: = 5.8, at 72 °F (22 °C) pH = 8.3

**Ecotoxicology**

Data on this material and/or its components are summarized below.

**Data for Proprietary ingredient (Proprietary)****Aquatic toxicity data:**

Practically nontoxic. Oryzias latipes (Japanese medaka) 96 h LC50 > 100 mg/l

**Aquatic invertebrates:**

Practically nontoxic. Daphnia magna (Water flea) 48 h EC50 = 340 mg/l

**Algae:**

Practically nontoxic. Pseudokirchneriella subcapitata (green algae) 72 h ErC50 > 100 mg/l

**Microorganisms:**

Respiration inhibition / Activated sludge 3 h EC10 > 1,000 mg/l

**Chronic toxicity to aquatic plants:**

Practically nontoxic. Pseudokirchneriella subcapitata (green algae) 72 h ErC10 = 84.6 mg/l (Nominal concentration)

**Data for tricyclodecane dimethanol dimethacrylate (43048-08-4)****Aquatic toxicity data:**

Toxic. Danio rerio (zebra fish) 96 h LC50 (LC50) = 1.65 mg/l

**Aquatic invertebrates:**

Toxic. Daphnia magna (Water flea) 48 h EC50 = 2.36 mg/l

**Algae:**

Toxic. Pseudokirchneriella subcapitata (green algae) 72 h EC50 = 1.6 mg/l

**Chronic toxicity to aquatic plants:**

Toxic. Growth inhibition / Pseudokirchneriella subcapitata (green algae) 72 h ErC10 = 0.14 mg/l

**Data for Methacrylate ester (Proprietary)**

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

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**Aquatic toxicity data:**

No effect up to the limit of solubility. Danio rerio (zebra fish) 96 h LC50 > 10,000 mg/l (Nominal concentration)

**Microorganisms:**

Growth inhibition / Pseudomonas fluorescens 16 h EC0 > 936 mg/l

**Data for Methacrylic ester (Proprietary)**

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

**Aquatic toxicity data:**

No effect up to the limit of solubility. Danio rerio (zebra fish) 96 h LC50 > 10,000 mg/l (Nominal concentration)

**Algae:**

No effect up to the limit of solubility. Desmodesmus subspicatus (green algae) 72 h EC50 > 10 ug/l (Nominal concentration)

**Microorganisms:**

Respiration inhibition / Activated sludge 3 h EC50 > 10,000 mg/l

**Chronic toxicity to aquatic invertebrates:**

No effect up to the limit of solubility. Daphnia magna (Water flea) 21 d NOEC > 10 ug/l (Nominal concentration)

**Chronic toxicity to aquatic plants:**

No effect up to the limit of solubility. Growth inhibition / Desmodesmus subspicatus (green algae) 72 h NOEC = 10 ug/L (Nominal concentration)

**Data for Proprietary additive (Proprietary)****Aquatic toxicity data:**

No effect up to the limit of solubility. Danio rerio (zebra fish) 96 h LC50 > 0.09 mg/l

**Aquatic invertebrates:**

No effect up to the limit of solubility. Daphnia magna (Water flea) 48 h EC50 > 1.175 mg/l

**Algae:**

No effect up to the limit of solubility. Desmodesmus subspicatus (green algae) 72 h ErC50 > 0.260 mg/l

**Microorganisms:**

Respiration inhibition / Activated sludge 3 h EC50 > 100 mg/l

**Chronic toxicity to aquatic invertebrates:**

No effect up to the limit of solubility. Reproduction Test / Daphnia magna (Water flea) 21 d NOEC > 0.008 mg/l

**Chronic toxicity to aquatic plants:**

No effect up to the limit of solubility. Desmodesmus subspicatus (green algae) 72 h NOEC r > 0.260 mg/l



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**SECTION 13: DISPOSAL CONSIDERATIONS****Waste disposal:**

Disposal via incineration is recommended. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

Take appropriate measures to prevent release to the environment.

**SECTION 14: TRANSPORT INFORMATION**

**US Department of Transportation (DOT):** not regulated

**International Maritime Dangerous Goods Code (IMDG):** not regulated

**SECTION 15: REGULATORY INFORMATION****Chemical Inventory Status**

US. Toxic Substances Control Act	TSCA	This product complies with the TSCA inventory requirements. 2-Propenoic acid, 2-methyl-, (octahydro-4,7-methano-1H-indene-5-diyl)bis(methylene) ester is subject to the provisions of a Significant New Use Rule (SNUR) published by the Environmental Protection Agency (EPA) in 40 CFR § 721.8485. This SNUR prohibits manufacture and any predictable or purposeful release containing the product to water. This SNUR applies not only to Arkema Inc., but also to all customers and processors.
Canadian Domestic Substances List (DSL)	DSL	This product contains one or several components that are not on the Canadian DSL nor NDSL lists.
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC (CN)	Not all components of this product are listed or exempted
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	Not all components of this product are listed or exempted
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	All components of this product are listed or exempted

# SAFETY DATA SHEET



N3XTDIMENSION®

## N3D-DIELEC731

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Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	Not all components of this product are listed or exempted
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	Not all components of this product are listed or exempted
Australian Inventory of Industrial Chemicals	AU AIICL	Not all components of this product are listed or exempted
Taiwan Chemical Substance Inventory (TCSI)	TCSI	Not all components of this product are listed or exempted

### **United States – Federal Regulations**

#### **SARA Title III – Section 302 Extremely Hazardous Chemicals:**

The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.

#### **SARA Title III - Section 311/312 Hazard Categories:**

Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitisation  
Specific target organ toxicity (single or repeated exposure)  
Self-reactive chemicals

#### **SARA Title III – Section 313 Toxic Chemicals:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):**

The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

#### **Toxic Substances Control Act – Section 12(b):**

<u>Chemical name</u>	<u>CAS-No.</u>
tricyclodecane dimethanol dimethacrylate	(43048-08-4)

### **United States – State Regulations**

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Product code: FP21191-P

Version 1.2

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# SAFETY DATA SHEET



N3XTDIMENSION®

## N3D-DIELEC731

### California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Chemical name  
Benzene, methyl-

CAS-No.  
108-88-3

### SECTION 16: OTHER INFORMATION

#### Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.

#### Latest Revision(s):

Reference number:	200020160
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