



## Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

3M Automix 06396 Patch Adhesion Promoter

#### Product identification numbers

70-0706-9842-1      70-0706-9843-9      FS-9100-4256-3

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

##### Identified uses

Adhesion promoter for use with attachment tapes.

#### 1.3. Details of the supplier of the substance or mixture

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

**E Mail:** tox.uk@mmm.com

**Website:** www.3M.com/uk

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

**Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive**

##### Indication of danger

Highly flammable; F; R11

Harmful; Xn; R20/21

Irritant; Xi; R38

Dangerous for the environment; N; R50/53

For full text of R phrases, see Section 16.

#### 2.2. Label elements

**Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive**

**Symbol(s)**



Highly Flammable



Harmful



Dangerous for the environment

**Contains:**

Xylene

**Risk phrases**

R11 Highly flammable.  
 R20/21 Harmful by inhalation and in contact with skin.  
 R38 Irritating to skin.  
 R50/53 Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Safety phrases**

S16 Keep away from sources of ignition - No Smoking.  
 S23A Do not breathe vapour.  
 S36/37 Wear suitable protective clothing and gloves.  
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**Special provisions concerning the labelling of certain substances**

Contains 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane May produce an allergic reaction.

Contains epoxy resins. See information supplied by manufacturer.

**Notes on labelling**

For containers <= 125 mL, use F, Xn, N, R20/21-3109-1100, S23A-36/37-2055.  
 R65 Not used as quantity of solvent is to low to Aspirate.

**2.3. Other hazards**

None known.

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

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Cyclohexane	110-82-7	EINECS 203-806-2	40 - 50	F:R11; Xn:R65; Xi:R38; N:R50/53; R67 - Nota 4 (EU)  Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 (CLP) Aquatic Acute 1, H400 (Self Classified)
Xylene	1330-20-7	EINECS 215-535-7	30 - 40	Xn:R20-21; Xi:R38; R10 - Nota C (EU)

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				Flam. Liq. 3, H226; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315 - Nota C (CLP)
Ethylbenzene	100-41-4	EINECS 202-849-4	0 - 11	F:R11; Xn:R20 (EU)  Flam. Liq. 2, H225; Acute Tox. 4, H332 (CLP)
Ethanol	64-17-5	EINECS 200-578-6	5 - 10	F:R11 (EU)  Flam. Liq. 2, H225 (CLP)
2,5-Furandione, reaction products with polypropylene, chlorinated	68609-36-9		1 - 5	
Acrylate Polymer	Trade Secret		1 - 5	
Ethyl acetate	141-78-6	EINECS 205-500-4	1 - 5	F:R11; Xi:R36; R66; R67 (EU)  Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066 (CLP)
Propan-2-ol	67-63-0	EINECS 200-661-7	< 1	F:R11; Xi:R36; R67 (EU)  Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 (CLP)
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	25068-38-6	NLP 500-033-5	< 0.5	Xi:R36-38; N:R51/53; R43 (EU)  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 2, H411 (CLP) Aquatic Chronic 3, H412 (Self Classified)
Methanol	67-56-1	EINECS 200-659-6	< 0.5	F:R11; T:R23-24-25-39/23; T:R39/24; T:R39/25 (EU)  Flam. Liq. 2, H225; Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; STOT SE 1, H370 (CLP)
Toluene	108-88-3	EINECS 203-625-9	< 0.3	Repr.Cat.3:R63; F:R11; Xn:R48/20; Xn:R65; Xi:R38; R67 - Nota 4 (EU)  Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Repr. 2, H361d; STOT SE 3, H336; STOT RE 1, H372 (CLP)

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

**SECTION 4: First aid measures****4.1. Description of first aid measures****Eye contact**

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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.

#### **Skin contact**

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

#### **Inhalation**

Remove person to fresh air. If you feel unwell, 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**

See Section 11.1 Information on toxicological effects

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

Not applicable

## **SECTION 5: Fire-fighting measures**

#### **5.1. Extinguishing media**

In case of fire: Use a fire fighting agent suitable for flammable liquids and solids such as dry chemical or carbon dioxide.

#### **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>
Aldehydes.	During combustion.
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.

#### **5.3. Advice 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.

## **SECTION 6: Accidental release measures**

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

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. 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.

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

Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

#### **6.4. Reference to other sections**

Refer to Section 8 and Section 13 for more information

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Vapours may travel long distances along the ground or floor to an ignition source and flash back. For industrial or professional use only. Do not use in a confined area or areas with little or no air movement. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Do not breathe dust/fume/gas/mist/vapours/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 oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) as required.

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

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

### **7.3. Specific end use(s)**

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **Occupational exposure limits**

<b>Ingredient</b>	<b>CAS Nbr</b>	<b>Agency</b>	<b>Limit type</b>	<b>Additional comments</b>
Ethylbenzene	100-41-4	Health and Safety Comm. (UK)	TWA:441 mg/m <sup>3</sup> (100 ppm);STEL:552 mg/m <sup>3</sup> (125 ppm)	Skin Notation
Toluene	108-88-3	Health and Safety Comm. (UK)	TWA: 191 mg/m <sup>3</sup> (50 ppm); STEL: 384 mg/m <sup>3</sup> (100 ppm)	Skin Notation
Cyclohexane	110-82-7	Health and Safety Comm. (UK)	TWA:350 mg/m <sup>3</sup> (100 ppm);STEL:1050 mg/m <sup>3</sup> (300 ppm)	
Xylene	1330-20-7	Health and Safety Comm. (UK)	TWA:220 mg/m <sup>3</sup> (50 ppm);STEL:441 mg/m <sup>3</sup> (100 ppm)	Skin Notation
Ethyl acetate	141-78-6	Health and Safety Comm. (UK)	TWA:200 ppm;STEL:400 ppm	
Ethanol	64-17-5	Health and Safety Comm. (UK)	TWA:1920 mg/m <sup>3</sup> (1000 ppm)	
Methanol	67-56-1	Health and Safety Comm. (UK)	TWA:266 mg/m <sup>3</sup> (200 ppm);STEL:333 mg/m <sup>3</sup> (250 ppm)	Skin Notation
Propan-2-ol	67-63-0	Health and Safety Comm. (UK)	TWA:999 mg/m <sup>3</sup> (400 ppm);STEL:1250 mg/m <sup>3</sup> (500 ppm)	

Health and Safety Comm. (UK) : UK Health and Safety Commission

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TWA: Time-Weighted-Average  
STEL: Short Term Exposure Limit  
ppm: parts per million  
mg/m<sup>3</sup>: milligrams per cubic metre  
CEIL: Ceiling

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Use explosion-proof ventilation equipment. 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/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

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

##### Eye/face protection

Wear eye/face protection.  
The following eye protection(s) are recommended: Safety glasses with side shields.

##### Skin/hand protection

Wear protective gloves.  
Gloves made from the following material(s) are recommended: Fluoroelastomer  
Polymer laminate

##### Respiratory protection

In case of inadequate ventilation wear 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 vapours

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

<b>Physical state</b>	Liquid.
<b>Specific Physical Form:</b>	Sponge holding approximately 2 milliliters of liquid.
<b>Appearance/Odour</b>	Liquid: yellow, solvent odour, absorbed onto a sponge. Physical properties reflect the liquid only.
<b>pH</b>	<i>Not applicable.</i>
<b>Boiling point/boiling range</b>	$\geq 76.7$ °C [ <i>Test Method:Estimated</i> ] [ <i>Details:Initial</i> ]
<b>Melting point</b>	<i>Not applicable.</i>
<b>Flammability (solid, gas)</b>	Flammable Liquid: Category 2.
<b>Explosive properties</b>	Not classified
<b>Oxidising properties</b>	Not classified
<b>Flash point</b>	1.1 °C [ <i>Test Method:Setaflash</i> ]
<b>Autoignition temperature</b>	430 °C
<b>Flammable Limits(LEL)</b>	1 % [ <i>Test Method:Estimated</i> ]
<b>Flammable Limits(UEL)</b>	6 % [ <i>Test Method:Estimated</i> ]
<b>Vapour pressure</b>	16,265.3 Pa [ <i>@ 20 °C</i> ]
<b>Relative density</b>	0.82 [ <i>Ref Std:WATER=1</i> ]
<b>Water solubility</b>	10 %

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<b>Partition coefficient: n-octanol/water</b>	<i>No data available.</i>
<b>Evaporation rate</b>	6.4 [ <i>Test Method:Estimated</i> ] [ <i>Ref Std:XYLENE=1</i> ]
<b>Vapour density</b>	1.7 [ <i>Test Method:Estimated</i> ] [ <i>Ref Std:AIR=1</i> ]
<b>Viscosity</b>	0.03 - 0.04 Pa-s
<b>Density</b>	0.8 kg/l

### 9.2. Other information

<b>Hazardous air pollutants</b>	<=45.5 % weight [ <i>Test Method:Calculated</i> ]
<b>Volatile organic compounds (VOC)</b>	668 g/l [ <i>Test Method:South Cost Air Qual Mgmt Dist</i> ]
<b>Percent volatile</b>	94 %
<b>VOC less H2O &amp; exempt solvents</b>	755 g/l [ <i>Test Method:South Cost Air Qual Mgmt Dist</i> ]

## 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 polymerisation will not occur.

### 10.4 Conditions to avoid

Heat.

Sparks and/or flames.

### 10.5 Incompatible materials

Strong acids.

Strong oxidising agents.

### 10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
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None known.

## 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 labelling, 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:

#### Eye contact

Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

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#### Skin contact

May be harmful in contact with skin.

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

#### 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 target organ effects after inhalation.

#### Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause target organ effects after ingestion.

#### Target Organ Effects:

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

Prolonged or repeated exposure may cause:

Neurological effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and changes in blood pressure and heart rate.

#### Reproductive/Developmental Toxicity:

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

#### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

#### Additional information:

This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified by the International Agency for Research on Cancer as carcinogenic to humans. There are also data associating human consumption of alcoholic beverages with developmental toxicity and liver toxicity. Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer, developmental toxicity, or liver toxicity.

#### Toxicological Data

##### Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No test data available; calculated ATE3,654 mg/kg
Overall product	Inhalation-Vapor(4 hr)		No test data available; calculated ATE31 mg/l
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg
Cyclohexane	Dermal	Rat	LD50 > 2,000 mg/kg
Cyclohexane	Inhalation-Vapor (4 hours)	Rat	LC50 14 mg/l
Cyclohexane	Ingestion	Rat	LD50 6,200 mg/kg
Xylene	Dermal	Rabbit	LD50 > 4,300 mg/kg
Xylene	Inhalation-Vapor (4 hours)	Rat	LC50 28 mg/l
Xylene	Ingestion	Rat	LD50 3,523 mg/kg
Ethylbenzene	Dermal	Rabbit	LD50 15,433 mg/kg
Ethylbenzene	Inhalation-Vapor (4 hours)	Rat	LC50 17 mg/l
Ethylbenzene	Ingestion	Rat	LD50 4,769 mg/kg
Ethanol	Inhalation-Vapor (4	Rat	LC50 125 mg/l



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	hours)		
Ethanol	Ingestion	Rat	LD50 6,200 mg/kg
Ethyl acetate	Dermal	Rabbit	LD50 > 18,000 mg/kg
Ethyl acetate	Inhalation-Vapor (4 hours)	Rat	LC50 71 mg/l
Ethyl acetate	Ingestion	Rat	LD50 5,620 mg/kg
Acrylate Polymer			No data available
2,5-Furandione, reaction products with polypropylene, chlorinated	Dermal	Guinea pig	LD50 > 1,000 mg/l
2,5-Furandione, reaction products with polypropylene, chlorinated	Ingestion	Rat	LD50 > 3,200 mg/kg
Propan-2-ol	Dermal	Rabbit	LD50 12,870 mg/kg
Propan-2-ol	Inhalation-Vapor (4 hours)	Rat	LC50 73 mg/l
Propan-2-ol	Ingestion	Rat	LD50 4,710 mg/kg
Methanol	Dermal		LD50 estimated to be 1,000 - 2,000 mg/kg
Methanol	Inhalation-Vapor		LC50 estimated to be 2 - 10 mg/l
Methanol	Ingestion		LD50 estimated to be 50 - 300 mg/kg
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	Dermal	Rat	LD50 > 1,600 mg/kg
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	Ingestion	Rat	LD50 > 1,000 mg/kg
Toluene	Dermal	Rat	LD50 12,000 mg/kg
Toluene	Inhalation-Vapor (4 hours)	Rat	LC50 30 mg/l
Toluene	Ingestion	Rat	LD50 2,600 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Cyclohexane		Mild irritant
Xylene		Mild irritant
Ethylbenzene		Mild irritant
Ethanol		Minimal irritation
Ethyl acetate		Minimal irritation
Acrylate Polymer		No data available
2,5-Furandione, reaction products with polypropylene, chlorinated		Minimal irritation
Propan-2-ol		No significant irritation
Methanol		Mild irritant
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane		Mild irritant
Toluene		Irritant

**Serious Eye Damage/Irritation**

Name	Species	Value
Cyclohexane		Mild irritant
Xylene		Mild irritant
Ethylbenzene		Moderate irritant
Ethanol		Moderate irritant
Ethyl acetate		Moderate irritant
Acrylate Polymer		No data available
2,5-Furandione, reaction products with polypropylene, chlorinated		Mild irritant
Propan-2-ol		Moderate irritant
Methanol		Moderate irritant
4,4'-Isopropylidenediphenol, oligomeric reaction		Moderate irritant

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products with 1-chloro-2,3-epoxypropane		
Toluene		Moderate irritant

**Skin Sensitisation**

Name	Species	Value
Cyclohexane		No data available
Xylene		No data available
Ethylbenzene		Not sensitizing
Ethanol		Some positive data exist, but the data are not sufficient for classification
Ethyl acetate		Not sensitizing
Acrylate Polymer		No data available
2,5-Furandione, reaction products with polypropylene, chlorinated		No data available
Propan-2-ol		Not sensitizing
Methanol		Not sensitizing
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane		Sensitising
Toluene		Not sensitizing

**Respiratory Sensitisation**

Name	Species	Value
Cyclohexane		No data available
Xylene		No data available
Ethylbenzene		No data available
Ethanol		No data available
Ethyl acetate		No data available
Acrylate Polymer		No data available
2,5-Furandione, reaction products with polypropylene, chlorinated		No data available
Propan-2-ol		No data available
Methanol		No data available
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane		Some positive data exist, but the data are not sufficient for classification
Toluene		No data available

**Germ Cell Mutagenicity**

Name	Route	Value
Cyclohexane	In Vitro	Not mutagenic
Xylene	In Vitro	Not mutagenic
Xylene	In vivo	Not mutagenic
Ethylbenzene	In Vitro	Some positive data exist, but the data are not sufficient for classification
Ethanol	In Vitro	Some positive data exist, but the data are not sufficient for classification
Ethanol	Ingestion	Some positive data exist, but the data are not sufficient for classification
Ethyl acetate	In Vitro	Some positive data exist, but the data are not sufficient for classification
Acrylate Polymer		No data available
2,5-Furandione, reaction products with polypropylene, chlorinated		No data available
Propan-2-ol	In vivo	Not mutagenic
Methanol	In vivo	Some positive data exist, but the data are not sufficient for classification
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	In vivo	Some positive data exist, but the data are not sufficient for classification
Toluene	In vivo	Not mutagenic

**3M Automix 06396 Patch Adhesion Promoter****Carcinogenicity**

Name	Route	Species	Value
Cyclohexane			No data available
Xylene	Dermal		Not carcinogenic
Xylene	Ingestion		Not carcinogenic
Xylene	Inhalation		Some positive data exist, but the data are not sufficient for classification
Ethylbenzene	Inhalation	Multiple animal species	Carcinogenic.
Ethanol	Ingestion	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Ethyl acetate			No data available
Acrylate Polymer			No data available
2,5-Furandione, reaction products with polypropylene, chlorinated			No data available
Propan-2-ol	Not specified.		Some positive data exist, but the data are not sufficient for classification
Methanol	Not specified.		Not carcinogenic
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	Dermal		Some positive data exist, but the data are not sufficient for classification
Toluene	Dermal		Some positive data exist, but the data are not sufficient for classification
Toluene	Ingestion		Some positive data exist, but the data are not sufficient for classification
Toluene	Inhalation		Some positive data exist, but the data are not sufficient for classification

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

Name	Route	Value	Species	Test result	Exposure Duration
Cyclohexane	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 6.9 mg/l	
Xylene	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		LOAEL 2,060 mg/kg/day	
Xylene	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOAEL N/A	
Ethylbenzene	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		LOEL 0.43 mg/l	
Ethanol	Inhalation	Not toxic to reproduction and/or development		NOAEL 20,000 ppm	
Ethanol	Ingestion	Toxic to reproduction		NOAEL N/A	

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		and/or development			
Ethyl acetate		No data available			
Acrylate Polymer		No data available			
2,5-Furandione, reaction products with polypropylene, chlorinated		No data available			
Propan-2-ol	Ingestion	Some positive reproductive/develop mental data exist, but the data are not sufficient for classification		NOEL 400 mg/kg/day	
Propan-2-ol	Inhalation	Some positive reproductive/develop mental data exist, but the data are not sufficient for classification		LOEL 9,001 mg/m3	
Methanol	Ingestion	Toxic to reproduction and/or development		LOAEL 4,000 mg/kg	
Methanol	Inhalation	Toxic to reproduction and/or development		NOAEL 1.3 mg/l	
4,4'- Isopropylidenediphen ol, oligomeric reaction products with 1-chloro-2,3- epoxypropane	Dermal	Not toxic to reproduction and/or development		NOAEL 300 mg/kg/day	
4,4'- Isopropylidenediphen ol, oligomeric reaction products with 1-chloro-2,3- epoxypropane	Ingestion	Not toxic to reproduction and/or development		NOAEL 750 mg/kg/day	
Toluene	Ingestion	Toxic to reproduction and/or development		LOAEL 520 mg/kg	
Toluene	Inhalation	Toxic to reproduction and/or development		NOAEL N/A	

**Lactation**

Name	Route	Species	Value
Xylene	Ingestion		Does not cause effects on or via lactation
Toluene	Not specified.		Some positive data exist, but the data are not sufficient for classification

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Cyclohexane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 0.09 mg/l	
Cyclohexane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for		Irritation Positive	

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			classification			
Xylene	Inhalation	auditory system	Causes damage to organs		LOAEL 6.3 mg/l	
Xylene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 0.43 mg/l	
Xylene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Xylene	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Xylene	Inhalation	eyes	Some positive data exist, but the data are not sufficient for classification		NOEL 3.5 mg/l	
Xylene	Inhalation	nervous system	All data are negative		NOAEL 0.65 mg/l	
Xylene	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Xylene	Ingestion	eyes	Some positive data exist, but the data are not sufficient for classification		NOEL 125 mg/kg	
Ethylbenzene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 0.43 mg/l	
Ethylbenzene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Ethanol	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Ethanol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Ethanol	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Ethanol	Ingestion	heart	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A	
Ethanol	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 3,000 mg/kg	
Ethyl acetate	Inhalation	central nervous	May cause		NOAEL N/A	

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		system depression	drowsiness or dizziness			
Ethyl acetate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Ethyl acetate	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Acrylate Polymer			No data available			
2,5-Furandione, reaction products with polypropylene, chlorinated			No data available			
Propan-2-ol	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Propan-2-ol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		RD50 5,000 ppm	
Propan-2-ol	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Methanol	Inhalation	blindness	Causes damage to organs		NOAEL N/A	
Methanol	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Methanol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Methanol	Ingestion	blindness	Causes damage to organs		NOAEL N/A	
Methanol	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
4,4'-Isopropylidene diphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	Inhalation	respiratory irritation	All data are negative		Irritation Negative	
Toluene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL 0.15 mg/l	
Toluene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Toluene	Inhalation	immune system	Some positive		NOAEL N/A	

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			data exist, but the data are not sufficient for classification			
Toluene	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Toluene	Ocular	lacrimation	Some positive data exist, but the data are not sufficient for classification		LOEL 7.5 mg/l	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Cyclohexane	Inhalation	hematopoietic system   liver	Some positive data exist, but the data are not sufficient for classification		NOEL 6.9 mg/l	
Cyclohexane	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification		NOEL 1.7 mg/l	
Cyclohexane	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 1.5 mg/l	
Cyclohexane	Inhalation	peripheral nervous system	All data are negative		NOAEL 8.6 mg/l	
Xylene	Inhalation	nervous system	Causes damage to organs through prolonged or repeated exposure		LOAEL 0.4 mg/l	
Xylene	Inhalation	auditory system	May cause damage to organs through prolonged or repeated exposure		LOAEL 7.8 mg/l	
Xylene	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Xylene	Inhalation	heart   endocrine system   hematopoietic system   muscles   kidney and/or bladder   respiratory system	All data are negative		NOAEL 3.5 mg/l	
Xylene	Ingestion	liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Xylene	Ingestion	auditory system	Some positive		LOEL 900	

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			data exist, but the data are not sufficient for classification		mg/kg/day	
Xylene	Ingestion	heart   skin   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   immune system   nervous system   respiratory system	All data are negative		NOAEL 1,000 mg/kg/day	
Ethylbenzene	Inhalation	liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL 1.1 mg/l	
Ethylbenzene	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		NOEL 1.6 mg/l	
Ethylbenzene	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification		NOEL 1.3 mg/l	
Ethylbenzene	Inhalation	endocrine system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.32 mg/l	
Ethylbenzene	Inhalation	bone, teeth, nails, and/or hair   muscles	All data are negative		NOAEL 4.2 mg/l	
Ethylbenzene	Inhalation	heart   immune system   respiratory system	All data are negative		NOAEL 3.2 mg/l	
Ethylbenzene	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 136 mg/kg/day	
Ethylbenzene	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 136 mg/kg	
Ethanol	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A	
Ethanol	Inhalation	bone marrow   hematopoietic system   immune system	Some positive data exist, but the data are not sufficient for classification		LOEL 25 mg/l	



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Ethanol	Ingestion	liver	Causes damage to organs through prolonged or repeated exposure		NOAEL N/A	
Ethanol	Ingestion	heart   endocrine system	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A	
Ethanol	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 3,000 mg/kg/day	
Ethyl acetate	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		NOEL 16 mg/l	
Ethyl acetate	Inhalation	endocrine system   liver   nervous system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.002 mg/l	
Ethyl acetate	Ingestion	hematopoietic system   liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 900 mg/kg/day	
Acrylate Polymer			No data available			
2,5-Furandione, reaction products with polypropylene, chlorinated			No data available			
Propan-2-ol	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification		LOEL 969 mg/m <sup>3</sup>	
Propan-2-ol	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 1.2 mg/l	
Propan-2-ol	Inhalation	nervous system	All data are negative		NOEL 12 mg/l	
Propan-2-ol	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Methanol	Inhalation	liver	All data are negative		NOAEL 6.6 mg/l	
Methanol	Inhalation	respiratory system	All data are negative		NOAEL 13.1 mg/l	
Methanol	Ingestion	liver   nervous system	Some positive data exist, but the data are not		NOEL 500 mg/kg/day	

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			sufficient for classification			
4,4'-Isopropylidene ediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	Dermal	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 1 mg/kg/day	
4,4'-Isopropylidene ediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	Dermal	nervous system	All data are negative		NOAEL 1,000 mg/kg/day	
4,4'-Isopropylidene ediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	Ingestion	auditory system   heart   endocrine system   blood   hematopoietic system   liver   eyes   kidney and/or bladder	All data are negative		NOAEL 1,000 mg/kg/day	
Toluene	Inhalation	auditory system   olfactory system	Causes damage to organs through prolonged or repeated exposure		NOAEL N/A	
Toluene	Inhalation	nervous system	Causes damage to organs through prolonged or repeated exposure		LOAEL 0.33 mg/l	
Toluene	Inhalation	eyes	Causes damage to organs through prolonged or repeated exposure		LOAEL 0.15-0.23 mg/l	
Toluene	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		LOAEL 2.3 mg/l	
Toluene	Inhalation	hematopoietic system   immune system   vascular system	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A	
Toluene	Inhalation	heart   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 4.7 mg/l	
Toluene	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 2.4 mg/l	
Toluene	Inhalation	bone, teeth, nails, and/or hair	Some positive data exist, but the data are not sufficient for		LOEL 1.1 mg/l	

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			classification			
Toluene	Inhalation	endocrine system	Some positive data exist, but the data are not sufficient for classification		LOEL 0.11 mg/l	
Toluene	Ingestion	nervous system	Some positive data exist, but the data are not sufficient for classification		NOAEL 446 mg/kg/day	
Toluene	Ingestion	endocrine system	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Toluene	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		LOEL 600 mg/kg/day	
Toluene	Ingestion	heart	Some positive data exist, but the data are not sufficient for classification		NOEL 446 mg/kg/day	
Toluene	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		LOEL 223 mg/kg/day	
Toluene	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 223 mg/kg/day	
Toluene	Ingestion	immune system	Some positive data exist, but the data are not sufficient for classification		LOEL 22 mg/kg/day	

**Aspiration Hazard**

Name	Value
Cyclohexane	Aspiration hazard
Xylene	Aspiration hazard
Ethylbenzene	Aspiration hazard
Ethanol	Not an aspiration hazard
Ethyl acetate	Not an aspiration hazard
Acrylate Polymer	Not an aspiration hazard
2,5-Furandione, reaction products with polypropylene, chlorinated	Not an aspiration hazard
Propan-2-ol	Not an aspiration hazard
Methanol	Not an aspiration hazard
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	Not an aspiration hazard
Toluene	Aspiration hazard

**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

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

### 12.1. Toxicity

#### Acute aquatic hazard:

GHS Acute 1: Very toxic to aquatic life.

#### Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
4,4'-Isopropylidene diphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	25068-38-6	Ricefish	Laboratory	96 hours	LC50	1.41 mg/l
Cyclohexane	110-82-7	Green algae	Experimental	72 hours	EC50	3.4 mg/l
Cyclohexane	110-82-7	Water flea	Experimental	48 hours	EC50	0.9 mg/l
Cyclohexane	110-82-7	Fathead minnow	Experimental	96 hours	LC50	4.53 mg/l
Ethyl acetate	141-78-6		Experimental	96 hours	LC50	212.5 mg/l
Ethyl acetate	141-78-6		Experimental	48 hours	EC50	164 mg/l
Ethanol	64-17-5	Rainbow trout	Laboratory	96 hours	LC50	42 mg/l
Ethanol	64-17-5	Green algae	Laboratory	96 hours	EC50	1,000 mg/l
Ethanol	64-17-5	Water flea	Laboratory	48 hours	LC50	5,012 mg/l
Ethylbenzene	100-41-4	Rainbow trout	Experimental	96 hours	LC50	4.2 mg/l
Ethylbenzene	100-41-4	Green algae	Laboratory	96 hours	EC50	3.6 mg/l
Ethylbenzene	100-41-4	Water flea	Experimental	24 hours	EC50	1.81 mg/l
Propan-2-ol	67-63-0		Experimental	24 hours	EC50	>1,000 mg/l
Propan-2-ol	67-63-0		Experimental	48 hours	LC50	1,400 mg/l
Propan-2-ol	67-63-0	Fathead minnow	Experimental	96 hours	LC50	6,120 mg/l
Toluene	108-88-3	Water flea	Experimental	48 hours	LC50	3.78 mg/l
Toluene	108-88-3	Green algae	Experimental	72 hours	EC50	12.5 mg/l
Toluene	108-88-3		Experimental	96 hours	LC50	5.5 mg/l
Xylene	1330-20-7	Water flea	Laboratory	48 hours	EC50	1.1 mg/l
Xylene	1330-20-7	Rainbow trout	Laboratory	96 hours	LC50	2.6 mg/l
Xylene	1330-20-7	Green algae	Laboratory	72 hours	EC50	0.8 mg/l
Ethyl acetate	141-78-6	Green algae	Experimental	72 hours	EC50	2,500 mg/l
4,4'-Isopropylidene diphenol, oligomeric	25068-38-6	Water flea	Laboratory	21 days	NOEC	0.3 mg/l

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reaction products with 1-chloro-2,3-epoxypropane						
Ethyl acetate	141-78-6	Water flea	Experimental	21 days	NOEC	2.4 mg/l
Ethanol	64-17-5	Green algae	Laboratory	96 hours	NOEC	<500 mg/l
Ethanol	64-17-5	Water flea	Laboratory	11 days	NOEC	=9.6 mg/l
Propan-2-ol	67-63-0	Water flea	Experimental	21 days	NOEC	30 mg/l
Toluene	108-88-3	Sheepshead Minnow	Experimental	28 days	NOEC	3.2 mg/l
Xylene	1330-20-7	Green algae	Laboratory	72 hours	NOEC	0.73 mg/l
Xylene	1330-20-7	Water flea	Laboratory	21 days	NOEC	0.41 mg/l
2,5-Furandione, reaction products with polypropylene, chlorinated	68609-36-9		No data available.			

**12.2. Persistence and degradability**

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Toluene	108-88-3	Experimental Photolysis		Half-life (t 1/2)	5.38 days (t 1/2)	Other methods
Ethylbenzene	100-41-4	Experimental Photolysis		Photolytic half-life (in air)	4.26 days (t 1/2)	
Ethyl acetate	141-78-6	Experimental Photolysis		Photolytic half-life (in air)	20.0 days (t 1/2)	Other methods
Propan-2-ol	67-63-0	Experimental Photolysis		Photolytic half-life (in air)	6.3 days (t 1/2)	Other methods
Cyclohexane	110-82-7	Experimental Photolysis		Photolytic half-life (in air)	4.14 days (t 1/2)	Other methods
Ethanol	64-17-5	Laboratory Photolysis		Photolytic half-life (in air)	9.41 days (t 1/2)	Other methods
Xylene	1330-20-7	Laboratory Photolysis		Photolytic half-life (in air)	1.4 days (t 1/2)	Other methods
4,4'-Isopropylidene diphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	25068-38-6	Laboratory Hydrolysis		Hydrolytic half-life	<2 days (t 1/2)	Other methods
2,5-Furandione, reaction products with polypropylene, chlorinated	68609-36-9	No data available.	N/A	N/A	N/A	N/A
4,4'-Isopropylidene diphenol, oligomeric reaction	25068-38-6	Laboratory Biodegradation	28 days	BOD	0 % weight	OECD 301C - MITI test (I)

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products with 1-chloro-2,3-epoxypropane						
Cyclohexane	110-82-7	Experimental Biodegradation	28 days	BOD	77 % weight	OECD 301F - Manometric respirometry
Methanol	67-56-1	Experimental Biodegradation	14 days	BOD	92 % weight	OECD 301C - MITI test (I)
Ethyl acetate	141-78-6	Experimental Biodegradation	14 days	BOD	66 % weight	OECD 301C - MITI test (I)
Toluene	108-88-3	Experimental Biodegradation	14 days	BOD	100 % weight	OECD 301C - MITI test (I)
Ethanol	64-17-5	Laboratory Biodegradation	14 days	BOD	89 % weight	OECD 301C - MITI test (I)
Ethylbenzene	100-41-4	Laboratory Biodegradation	14 days	BOD	81 % weight	Other methods
Propan-2-ol	67-63-0	Experimental Biodegradation	14 days	BOD	86 % weight	OECD 301C - MITI test (I)

**12.3 : Bioaccumulative potential**

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
2,5-Furandione, reaction products with polypropylene, chlorinated	68609-36-9	No data available.	N/A	N/A	N/A	N/A
Ethanol	64-17-5	Calculated BCF - Other	28 days	Bioaccumulation factor	3.16	Estimated: Bioconcentration factor
Cyclohexane	110-82-7	Experimental BCF - Other	56 days	Bioaccumulation factor	<129	Other methods
Xylene	1330-20-7	Laboratory BCF - Rainbow Tr	56 days	Bioaccumulation factor	14	Other methods
Ethylbenzene	100-41-4	Experimental BCF - Other		Bioaccumulation factor	15	Other methods
4,4'-Isopropylidene diphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	25068-38-6	Laboratory BCF - Other	28 days	Bioaccumulation factor	<42	Other methods
Toluene	108-88-3	Experimental Bioaccumulation		Log Kow	2.73	Other methods
Propan-2-ol	67-63-0	Experimental Bioaccumulation		Log Kow	0.05	Other methods
Ethyl acetate	141-78-6	Experimental Bioaccumulation		Log Kow	0.73	Other methods
Ethylbenzene	100-41-4	Experimental		Log Kow	3.15	Other methods

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		Bioconcentration				
Methanol	67-56-1	Experimental Bioconcentration		Log Kow	-0.77	Other methods
Ethanol	64-17-5	Laboratory Bioaccumulation		Log Kow	-0.31	Other methods

**12.4. Mobility in soil**

Please contact manufacturer for more details

**12.5. Results of the PBT and vPvB assessment**

No information available at this time, contact manufacturer for more details

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

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

Incinerate in a permitted waste incineration facility. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. 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.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

**EU waste code (product as sold)**

- 070104\* Other organic solvents, washing liquids and mother liquors
- 15 02 02\* Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

**SECTION 14: Transportation information**

70-0706-9842-1, 70-0706-9843-9

**ADR/RID:** UN3175, NOT RESTRICTED - SPECIAL PROVISION 216 FULFILLED, (--).

**IMDG-CODE:** UN3175, NOT RESTRICTED, AS PER SPECIAL PROVISION 216, EMS: --.

**ICAO/IATA:** NOT RESTRICTED, AS PER SPECIAL PROVISION A46, information required for air way bill.

FS-9100-4256-3

**ADR/RID:** UN3175, NOT RESTRICTED - SPECIAL PROVISION 216 FULFILLED, (--).

**IMDG-CODE:** UN3175, NOT RESTRICTED - SPECIAL PROVISION 216 FULFILLED, Marine Pollutant, (CYCLOHEXANE), EMS: --.

ICAO/IATA: NOT RESTRICTED, AS PER SPECIAL PROVISION A46, information required for air way bill.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Carcinogenicity

<u>Ingredient</u>	<u>CAS Nbr</u>	<u>Classification</u>	<u>Regulation</u>
Ethylbenzene	100-41-4	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Toluene	108-88-3	Gr. 3: Not classifiable	International Agency for Research on Cancer
Xylene	1330-20-7	Gr. 3: Not classifiable	International Agency for Research on Cancer

#### Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. 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.

### 15.2. Chemical Safety Assessment

Not applicable

## SECTION 16: Other information

### List of relevant H statements

EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

### List of relevant R-phrases

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R21	Harmful in contact with skin.
R23	Toxic by inhalation.
R24	Toxic in contact with skin.
R25	Toxic if swallowed.



R36	Irritating to eyes.
R38	Irritating to skin.
R39/23	Toxic: danger of very serious irreversible effects through inhalation.
R39/24	Toxic: danger of very serious irreversible effects in contact with skin.
R39/25	Toxic: danger of very serious irreversible effects if swallowed.
R43	May cause sensitisation by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R63	Possible risk of harm to the unborn child.
R65	Harmful: May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

**Revision information:**

Revision Changes:

Section 8: Respiratory protection - recommended respirators information was modified.  
Safety phrase was modified.  
Section 8: Respiratory protection - recommended respirators was modified.  
Section 3: Composition/ Information of ingredients table was modified.  
Section 2: Indication of danger information was modified.  
Section 12: Chronic aquatic hazard information was modified.  
Section 12: Component ecotoxicity information was modified.  
Section 12: Persistence and Degradability information was modified.  
Section 12: Bioaccumulative potential information was modified.  
Section 2: EU sensitizer phrase was modified.  
Section 2: Label remarks was modified.  
Aspiration Hazard Table was modified.  
Section 11: Acute Toxicity table was modified.  
Carcinogenicity Table was modified.  
Serious Eye Damage/Irritation Table was modified.  
Germ Cell Mutagenicity Table was modified.  
Skin Sensitisation Table was modified.  
Respiratory Sensitisation Table was modified.  
Lactation Table was modified.  
Reproductive Toxicity Table was modified.  
Skin Corrosion/Irritation Table was modified.  
Target Organs - Repeated Table was modified.  
Target Organs - Single Table was modified.  
Section 11: Health Effects - Skin information was modified.  
Section 11: Health Effects - Inhalation information was modified.  
Section 11: Health Effects - Other information was modified.  
Section 5: Fire - Extinguishing media information was modified.  
Section 6: Accidental release personal information was modified.  
Section 6: Accidental release clean-up information was modified.  
Section 7: Precautions safe handling information was modified.  
Section 7: Conditions safe storage was modified.  
Section 8: Appropriate Engineering controls information was modified.  
Section 13: Standard Phrase Category Waste GHS was modified.  
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. was modified.  
Section 8: Respiratory protection - recommended respirators guide was added.  
Label: Graphic Text was added.  
Label: Graphic Text was added.  
Section 2: R phrase reference was added.  
Label: Graphic was added.

Label: Graphic was added.

Label: Graphic Text was added.

Section 2: Symbol was deleted.

Section 2: Symbols heading was deleted.

Section 11: UN GHS Classification table heading was deleted.

Section 11: Lactation table - UN GHS Classification heading was deleted.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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