

Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

3MTM Process Color 884I Yellow

Product Identification Numbers

ID Number UPC ID Number UPC

42-0019-9655-4 75-0301-1088-8

7000004860

1.2. Recommended use and restrictions on use

Recommended use

Ink

1.3. Supplier's details

MANUFACTURER: 3M

DIVISION: Commercial Branding and Transportation Division **ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA **Telephone:** 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

Flammable Liquid: Category 3.

Serious Eye Damage/Irritation: Category 1.

Skin Sensitizer: Category 1. Carcinogenicity: Category 2.

Reproductive Toxicity: Category 1B.

2.2. Label elements

Signal word

Danger

Symbols

Flame | Corrosion | Exclamation mark | Health Hazard |

Pictograms



Hazard Statements

Flammable liquid and vapor.

Causes serious eye damage.

May cause an allergic skin reaction.

Suspected of causing cancer.

May damage fertility or the unborn child.

Precautionary statements

Prevention:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.

Use explosion-proof electrical, ventilating and lighting equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Avoid breathing vapors.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves, eye protection, face protection, and if needed, respiratory protection (see SDS Section 8).

Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF exposed or concerned: Immediately call a POISON CENTER or doctor.

If skin irritation or rash occurs: Get medical attention.

Take off contaminated clothing and wash it before reuse.

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

Storage:

Store in a well-ventilated place. Keep cool.

Store locked up.

Disposal:

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

16% of the mixture consists of ingredients of unknown acute oral toxicity.

16% of the mixture consists of ingredients of unknown acute dermal toxicity.

58% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt	1

PROPANOL, 1(OR 2)-(2-	88917-22-0	30 - 60
	00917-22-0	30 - 00
METHOXYMETHYLETHOXY)-, ACETATE		
2-Propenoic acid, 2-methyl-, polymer with butyl 2-	28262-63-7	10 - 30
methyl-2-propenoate and methyl 2-methyl-2-propenoate		
Acrylic Polymers	Trade Secret*	10 - 30
1-methoxy-2-propyl acetate	108-65-6	5 - 10
Cyclohexanone	108-94-1	5 - 10 Trade Secret *
Proprietary Reaction Products	Trade Secret*	1 - 5
Vinyl polymer (New Jersey Trade Secret Registry #	Trade Secret*	1 - 5
04499600-5238P)		
Ethylbenzene	100-41-4	0.1 - 1 Trade Secret *
3-DODECYL-1-(2,2,6,6-TETRAMETHYL-4-	79720-19-7	< 0.6
PIPERIDINYL) -2,5-PYRROLIDINEDIONE		
n-Butyl Methacrylate	97-88-1	< 0.3
2,3-EPOXYPROPYL NEODECANOATE	26761-45-5	< 0.2
Toluene	108-88-3	< 0.2
Nickel salts of naphthenic acids	61788-71-4	< 0.03

^{*}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).

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 flammable liquids such as dry chemical or carbon dioxide to extinguish.

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode. Exposure to extreme heat can give rise to thermal decomposition.

Hazardous Decomposition or By-Products

SubstanceConditionHydrocarbonsDuring CombustionCarbon monoxideDuring CombustionCarbon dioxideDuring CombustionHydrogen ChlorideDuring CombustionHydrogen FluorideDuring CombustionOxides of NitrogenDuring 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

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. Cover spill area with a fire extinguishing foam that is resistant to polar solvents. 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 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 authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. 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

For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. 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.) Wear low static or properly grounded shoes. Use personal protective equipment (gloves, respirators, etc.) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local

exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from acids. 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
Ethylbenzene	100-41-4	ACGIH	TWA:20 ppm	A3: Confirmed animal
-				carcin.,Ototoxicant
Ethylbenzene	100-41-4	OSHA	TWA:435 mg/m3(100 ppm)	
1-methoxy-2-propyl acetate	108-65-6	AIHA	TWA:50 ppm	
Toluene	108-88-3	ACGIH	TWA:20 ppm	A4: Not class. as human
				carcin,Ototoxicant
Toluene	108-88-3	OSHA	TWA:200 ppm;CEIL:300 ppm	
Cyclohexanone	108-94-1	ACGIH	TWA:20 ppm;STEL:50 ppm	A3: Confirmed animal
				carcin.,Danger of
				cutaneous absorption
Cyclohexanone	108-94-1	OSHA	TWA:200 mg/m3(50 ppm)	
NICKEL, SOLUBLE	61788-71-4	OSHA	TWA(as Ni):1 mg/m3	
COMPOUNDS, AS /NI/				

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

For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use with appropriate local exhaust ventilation sufficient to maintain levels of thermal decomposition products below their exposure guidelines. 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. Use explosion-proof ventilation 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

Page 5 of 18 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 (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

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:

For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use a positive pressure supplied-air respirator.

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors

Half facepiece or full facepiece supplied-air respirator

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

Physical state	Liquid	
	•	
Specific Physical Form:	Liquid	
	11	
Color	Yellow	
Odor	Moderate Solvent	
Odor threshold	No Data Available	
pH	Not Applicable	
Melting point/Freezing point	Not Applicable	
Boiling point/Initial boiling point/Boiling range	>=140 °C	
Flash Point	42.2 °C [Test Method: Tagliabue Closed Cup]	
Evaporation rate	<=0.4 [<i>Ref Std</i> :BUOAC=1]	
Flammability	Flammable Liquid: Category 3.	
Flammable Limits(LEL)	1.1 % volume	
Flammable Limits(UEL)	8.6 % volume	
Vapor Pressure	<=493.3 Pa [@ 20 °C]	
Relative Vapor Density	No Data Available	
Density	0.95 g/ml	
Relative Density	0.95 [Ref Std:WATER=1]	
Water solubility	No Data Available	
Solubility- non-water	No Data Available	
Partition coefficient: n-octanol/ water	No Data Available	
Autoignition temperature	No Data Available	
Decomposition temperature	No Data Available	
Kinematic Viscosity	1,158 mm2/sec	
Volatile Organic Compounds	600 - 800 g/l [Details: As Packaged]	
Percent volatile	65 - 75 %	

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VOC Less H2O & Exempt Solvents	No Data Available
Molecular weight	Not Applicable

Particle Characteristics	Not Applicable
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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 will not occur.

10.4. Conditions to avoid

Sparks and/or flames

10.5. Incompatible materials

Strong acids

Strong oxidizing agents

10.6. Hazardous decomposition products

Substance

Condition

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

Extreme heat arising from situations such as misuse or equipment failure can generate hydrogen fluoride as a decomposition product.

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:

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:

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.

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:

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

May cause additional health effects (see below).

Additional Health Effects:

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.

Ingredient	CAS No.	Class Description	Regulation
Nickel Compounds (except alloys)	61788-71-4	Known To Be Human Carcinogen.	National Toxicology Program Carcinogens
Nickel compounds	61788-71-4	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Butyl Methacrylate	97-88-1	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Ethylbenzene	100-41-4	Grp. 2B: Possible human carc.	International Agency for Research on Cancer

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 >5,000 mg/kg
Overall product	Inhalation- Vapor(4 hr)		No data available; calculated ATE >50 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE	Dermal	Rat	LD50 > 2,000 mg/kg
PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 5.7 mg/l
PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE	Ingestion	Rat	LD50 > 5,000 mg/kg
2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2- propenoate and methyl 2-methyl-2-propenoate	Dermal		LD50 estimated to be > 5,000 mg/kg
2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2- propenoate and methyl 2-methyl-2-propenoate	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
1-methoxy-2-propyl acetate	Dermal	Rabbit	LD50 > 5,000 mg/kg
1-methoxy-2-propyl acetate	Inhalation- Vapor (4 hours)	Rat	LC50 > 28.8 mg/l
1-methoxy-2-propyl acetate	Ingestion	Rat	LD50 8,532 mg/kg
Cyclohexanone	Dermal	Rabbit	LD50 >794, <3160 mg/kg
Cyclohexanone	Inhalation- Vapor (4 hours)	Rat	LC50 > 6.2 mg/l
Cyclohexanone	Ingestion	Rat	LD50 1,296 mg/kg
Proprietary Reaction Products	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 1.04 mg/l
Proprietary Reaction Products	Ingestion	Rat	LD50 > 5,000 mg/kg
Proprietary Reaction Products	Dermal	similar compoun	LD50 > 2,500 mg/kg

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		ds	
Vinyl polymer (New Jersey Trade Secret Registry # 04499600-5238P)	Dermal	Rabbit	LD50 > 8,000 mg/kg
Vinyl polymer (New Jersey Trade Secret Registry # 04499600-5238P)	Ingestion	Rat	LD50 > 8,000 mg/kg
3-DODECYL-1-(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) - 2,5-PYRROLIDINEDIONE	Dermal	Rabbit	LD50 > 2,000 mg/kg
3-DODECYL-1-(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) - 2,5-PYRROLIDINEDIONE	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 5 mg/l
3-DODECYL-1-(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) - 2,5-PYRROLIDINEDIONE	Ingestion	Rat	LD50 > 2,000 mg/kg
Ethylbenzene	Dermal	Rabbit	LD50 15,433 mg/kg
Ethylbenzene	Inhalation- Vapor (4 hours)	Rat	LC50 17.4 mg/l
Ethylbenzene	Ingestion	Rat	LD50 4,769 mg/kg
n-Butyl Methacrylate	Dermal	Rabbit	LD50 > 2,000 mg/kg
n-Butyl Methacrylate	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 27 mg/l
n-Butyl Methacrylate	Ingestion	Rat	LD50 > 2,000 mg/kg
2,3-EPOXYPROPYL NEODECANOATE	Dermal	Rat	LD50 > 2,000 mg/kg
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	Rat	LD50 > 2,000 mg/kg
Toluene	Dermal	Rat	LD50 12,000 mg/kg
Toluene	Inhalation- Vapor (4 hours)	Rat	LC50 30 mg/l
Toluene	Ingestion	Rat	LD50 5,550 mg/kg
Nickel salts of naphthenic acids	Ingestion	Rat	LD50 419 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE	Rabbit	No significant irritation
1-methoxy-2-propyl acetate	Rabbit	No significant irritation
Cyclohexanone	Rabbit	Irritant
Proprietary Reaction Products	In vitro	No significant irritation
	data	
Vinyl polymer (New Jersey Trade Secret Registry # 04499600-5238P)	Professio	No significant irritation
	nal	
	judgeme	
	nt	
3-DODECYL-1-(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) -2,5-	Rabbit	Corrosive
PYRROLIDINEDIONE		
Ethylbenzene	Rabbit	Mild irritant
n-Butyl Methacrylate	Rabbit	Irritant
2,3-EPOXYPROPYL NEODECANOATE	Rabbit	No significant irritation
Toluene	Rabbit	Irritant
Nickel salts of naphthenic acids	Professio	Minimal irritation
	nal	
	judgeme	
	nt	

Serious Eye Damage/Irritation

Name	Species	Value
PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE	Rabbit	No significant irritation
1-methoxy-2-propyl acetate	Rabbit	Mild irritant
Cyclohexanone	In vitro	Corrosive
	data	
Proprietary Reaction Products	In vitro	No significant irritation
	data	

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Vinyl polymer (New Jersey Trade Secret Registry # 04499600-5238P)	Professio nal judgeme nt	No significant irritation
3-DODECYL-1-(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) -2,5- PYRROLIDINEDIONE	Rabbit	Corrosive
Ethylbenzene	Rabbit	Moderate irritant
n-Butyl Methacrylate	Rabbit	Mild irritant
2,3-EPOXYPROPYL NEODECANOATE	Rabbit	No significant irritation
Toluene	Rabbit	Moderate irritant
Nickel salts of naphthenic acids	Professio	Mild irritant
	nal	
	judgeme	
	nt	

Skin Sensitization

Name	Species	Value
PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE	Guinea	Not classified
	pig	
1-methoxy-2-propyl acetate	Guinea	Not classified
	pig	
Cyclohexanone	Guinea	Not classified
	pig	
Proprietary Reaction Products	Human	Not classified
Ethylbenzene	Human	Not classified
n-Butyl Methacrylate	Guinea	Sensitizing
	pig	
2,3-EPOXYPROPYL NEODECANOATE	Guinea	Sensitizing
	pig	
Toluene	Guinea	Not classified
	pig	
Nickel salts of naphthenic acids	similar	Sensitizing
	compoun	
	ds	

Respiratory Sensitization

respiratory sensitization		
Name	Species	Value
Nickel salts of naphthenic acids	Professio nal	Sensitizing
	judgeme nt	

Germ Cell Mutagenicity

Name	Route	Value
PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE	In Vitro	Not mutagenic
PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE	In vivo	Not mutagenic
1-methoxy-2-propyl acetate	In Vitro	Not mutagenic
Cyclohexanone	In Vitro	Not mutagenic
Cyclohexanone	In vivo	Not mutagenic
Proprietary Reaction Products	In Vitro	Not mutagenic
Proprietary Reaction Products	In vivo	Not mutagenic
3-DODECYL-1-(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) -2,5-	In Vitro	Not mutagenic
PYRROLIDINEDIONE		
Ethylbenzene	In vivo	Not mutagenic
Ethylbenzene	In Vitro	Some positive data exist, but the data are not
		sufficient for classification
n-Butyl Methacrylate	In Vitro	Not mutagenic
n-Butyl Methacrylate	In vivo	Not mutagenic
2,3-EPOXYPROPYL NEODECANOATE	In Vitro	Some positive data exist, but the data are not
		sufficient for classification
2,3-EPOXYPROPYL NEODECANOATE	In vivo	Mutagenic
Toluene	In Vitro	Not mutagenic

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Toluene	In vivo	Not mutagenic
Nickel salts of naphthenic acids	In Vitro	Some positive data exist, but the data are not sufficient for classification
Nickel salts of naphthenic acids	In vivo	Mutagenic

Carcinogenicity

Name	Route	Species	Value
Cyclohexanone	Ingestion	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Ethylbenzene	Inhalation	Multiple animal species	Carcinogenic
n-Butyl Methacrylate	Inhalation	Multiple animal species	Carcinogenic
Toluene	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
Toluene	Ingestion	Rat	Some positive data exist, but the data are not sufficient for classification
Toluene	Inhalation	Mouse	Some positive data exist, but the data are not sufficient for classification
Nickel salts of naphthenic acids	Inhalation	similar compoun ds	Carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects
| Name | Route

Name	Route	Value	Species	Test Result	Exposure Duration
1-methoxy-2-propyl acetate	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
1-methoxy-2-propyl acetate	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
1-methoxy-2-propyl acetate	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
1-methoxy-2-propyl acetate	Inhalation	Not classified for development	Rat	NOAEL 21.6 mg/l	during organogenesi s
Cyclohexanone	Inhalation	Not classified for female reproduction	Rat	NOAEL 4 mg/l	2 generation
Cyclohexanone	Ingestion	Not classified for development	Rabbit	NOAEL 500 mg/kg/day	during gestation
Cyclohexanone	Inhalation	Not classified for male reproduction	Rat	NOAEL 2 mg/l	2 generation
Cyclohexanone	Inhalation	Not classified for development	Rat	NOAEL 2.6 mg/l	during gestation
Proprietary Reaction Products	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating into lactation
Proprietary Reaction Products	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	29 days
Proprietary Reaction Products	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	premating into lactation
Ethylbenzene	Inhalation	Not classified for development	Rat	NOAEL 4.3 mg/l	premating & during gestation
n-Butyl Methacrylate	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	44 days
n-Butyl Methacrylate	Ingestion	Not classified for female reproduction	Rat	NOAEL 300 mg/kg/day	premating & during gestation

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n-Butyl Methacrylate	Ingestion	Not classified for development	Rabbit	NOAEL 300 mg/kg/day	during gestation
n-Butyl Methacrylate	Inhalation	Not classified for development	Rat	NOAEL 1.8 mg/l	during gestation
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	Not classified for female reproduction	Rat	NOAEL 300 mg/kg/day	2 generation
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	Not classified for male reproduction	Rat	NOAEL 300 mg/kg/day	2 generation
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	Toxic to development	Rat	NOAEL 50 mg/kg/day	2 generation
Toluene	Inhalation	Not classified for female reproduction	Human	NOAEL Not available	occupational exposure
Toluene	Inhalation	Not classified for male reproduction	Rat	NOAEL 2.3 mg/l	1 generation
Toluene	Ingestion	Toxic to development	Rat	LOAEL 520 mg/kg/day	during gestation
Toluene	Inhalation	Toxic to development	Human	NOAEL Not available	poisoning and/or abuse
Nickel salts of naphthenic acids	Ingestion	Toxic to development	similar compoun ds	NOAEL not available	2 generation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
1-methoxy-2-propyl acetate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
1-methoxy-2-propyl acetate	Ingestion	central nervous system depression	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL not available	
Cyclohexanone	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Guinea pig	LOAEL 16.1 mg/l	6 hours
Cyclohexanone	Inhalation	respiratory irritation	May cause respiratory irritation	Human	NOAEL Not available	
Cyclohexanone	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Professio nal judgeme nt	NOAEL Not available	
3-DODECYL-1-(2,2,6,6- TETRAMETHYL-4- PIPERIDINYL) -2,5- PYRROLIDINEDIONE	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	
Ethylbenzene	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Ethylbenzene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human and animal	NOAEL Not available	
n-Butyl Methacrylate	Inhalation	respiratory irritation	May cause respiratory irritation		NOAEL Not available	
Toluene	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Toluene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
Toluene	Inhalation	immune system	Not classified	Mouse	NOAEL 0.004 mg/l	3 hours
Toluene	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	poisoning and/or abuse

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure
						Duration
PROPANOL, 1(OR 2)-(2-	Ingestion	liver	Not classified	Rat	NOAEL	4 weeks

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METHOXYMETHYLET HOXY)-, ACETATE					1,000 mg/kg/day	
PROPANOL, 1(OR 2)-(2- METHOXYMETHYLET	Ingestion	heart	Not classified	Rat	NOAEL 1,000	4 weeks
HOXY)-, ACETATE					mg/kg/day	
PROPANOL, 1(OR 2)-(2- METHOXYMETHYLET HOXY)-, ACETATE	Ingestion	endocrine system	Not classified	Rat	NOAEL 1,000 mg/kg/day	4 weeks
	Y 4:	1 4 141	N 4 1 'C 1	D 4		4 1
PROPANOL, 1(OR 2)-(2- METHOXYMETHYLET HOXY)-, ACETATE	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 1,000 mg/kg/day	4 weeks
PROPANOL, 1(OR 2)-(2- METHOXYMETHYLET HOXY)-, ACETATE	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	4 weeks
1-methoxy-2-propyl acetate	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 16.2 mg/l	9 days
1-methoxy-2-propyl acetate	Inhalation	olfactory system	Not classified	Mouse	LOAEL 1.62 mg/l	9 days
	X 1 1 2	11 1	N. 1 'C 1	3.6.12.1		0.1
1-methoxy-2-propyl acetate	Inhalation	blood	Not classified	Multiple animal species	NOAEL 16.2 mg/l	9 days
1-methoxy-2-propyl acetate	Ingestion	endocrine system	Not classified	Rat	NOAEL 1,000 mg/kg/day	44 days
Cyclohexanone	Inhalation	liver	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	heart	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	skin	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	endocrine system	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	gastrointestinal tract	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	bone, teeth, nails, and/or hair	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	hematopoietic system	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	immune system	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	muscles	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	nervous system	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	eyes	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	respiratory system	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Inhalation	vascular system	Not classified	Rat	NOAEL 2.5 mg/l	13 weeks
Cyclohexanone	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 407 mg/kg/day	3 months
Cyclohexanone	Ingestion	eyes	Not classified	Rat	NOAEL 407 mg/kg/day	3 months
Cyclohexanone	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 407 mg/kg/day	3 months
Proprietary Reaction Products	Inhalation	respiratory system	Not classified	Rat	NOAEL 0.01 mg/l	5 days
Proprietary Reaction Products	Inhalation	heart	Not classified	Rat	NOAEL 0.03 mg/l	5 days
Proprietary Reaction Products	Inhalation	endocrine system	Not classified	Rat	NOAEL 0.03 mg/l	5 days
Proprietary Reaction Products	Inhalation	gastrointestinal tract	Not classified	Rat	NOAEL 0.03 mg/l	5 days
Proprietary Reaction	Inhalation	hematopoietic	Not classified	Rat	NOAEL 0.03	5 days

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Products		system			mg/l	
Proprietary Reaction Products	Inhalation	liver	Not classified	Rat	NOAEL 0.03 mg/l	5 days
Proprietary Reaction Products	Inhalation	immune system	Not classified	Rat	NOAEL 0.03 mg/l	5 days
Proprietary Reaction Products	Inhalation	nervous system	Not classified	Rat	NOAEL 0.03 mg/l	5 days
Proprietary Reaction Products	Inhalation	eyes	Not classified	Rat	NOAEL 0.03 mg/l	5 days
Proprietary Reaction Products	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 0.03 mg/l	5 days
Proprietary Reaction Products	Ingestion	heart	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	endocrine system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	gastrointestinal tract	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	immune system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	muscles	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	eyes	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	respiratory system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Proprietary Reaction Products	Ingestion	vascular system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Ethylbenzene	Inhalation	auditory system	May cause damage to organs though prolonged or repeated exposure	Rat	LOAEL 0.9 mg/l	13 weeks
Ethylbenzene	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1.1 mg/l	2 years
Ethylbenzene	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 1.1 mg/l	103 weeks
Ethylbenzene	Inhalation	hematopoietic system	Not classified	Rat	NOAEL 3.4 mg/l	28 days
Ethylbenzene	Inhalation	endocrine system	Not classified	Mouse	NOAEL 3.3 mg/l	103 weeks
Ethylbenzene	Inhalation	gastrointestinal tract	Not classified	Rat	NOAEL 3.3 mg/l	2 years
Ethylbenzene	Inhalation	bone, teeth, nails, and/or hair	Not classified	Multiple animal species	NOAEL 4.2 mg/l	90 days
Ethylbenzene	Inhalation	muscles	Not classified	Multiple animal	NOAEL 4.2 mg/l	90 days

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				species		1
Ethylbenzene	Inhalation	heart	Not classified	Multiple	NOAEL 3.3	2 years
Ethylochzene	Illialation	neart	Not classified	animal	mg/l	2 years
				species	mg i	
Ethylbenzene	Inhalation	immune system	Not classified	Multiple	NOAEL 3.3	2 years
zuryreenzene	111111111111111111111111111111111111111	I IIIII System	1101011101	animal	mg/l	2) 0013
				species	8	
Ethylbenzene	Inhalation	respiratory system	Not classified	Multiple	NOAEL 3.3	2 years
. ,		l ar and y again		animal	mg/l	J
				species		
Ethylbenzene	Ingestion	liver	Not classified	Rat	NOAEL 680	6 months
-					mg/kg/day	
Ethylbenzene	Ingestion	kidney and/or	Not classified	Rat	NOAEL 680	6 months
		bladder			mg/kg/day	
n-Butyl Methacrylate	Inhalation	kidney and/or	Not classified	Rat	NOAEL 11	28 days
		bladder			mg/l	
n-Butyl Methacrylate	Inhalation	olfactory system	Not classified	Rat	NOAEL 1.8	28 days
					mg/l	
n-Butyl Methacrylate	Inhalation	heart	Not classified	Rat	NOAEL 11	28 days
					mg/l	
n-Butyl Methacrylate	Inhalation	endocrine system	Not classified	Rat	NOAEL 11	28 days
					mg/l	
n-Butyl Methacrylate	Inhalation	hematopoietic	Not classified	Rat	NOAEL 11	28 days
		system			mg/l	
n-Butyl Methacrylate	Inhalation	liver	Not classified	Rat	NOAEL 11	28 days
					mg/l	
n-Butyl Methacrylate	Inhalation	nervous system	Not classified	Rat	NOAEL 11	28 days
75 - 137 - 1 - 1 -	* 1 1 2		N . 1 . 20 . 1	~	mg/l	20.1
n-Butyl Methacrylate	Inhalation	respiratory system	Not classified	Rat	NOAEL 11	28 days
D + DV d = 1 +	T	10 4	NT 4 1 'C' 1	D 4	mg/l	00.1
n-Butyl Methacrylate	Ingestion	olfactory system	Not classified	Rat	NOAEL 60	90 days
D + DV d = 1 +	T		NT 4 1 'C' 1	D 4	mg/kg/day	00.1
n-Butyl Methacrylate	Ingestion	endocrine system	Not classified	Rat	NOAEL 360	90 days
D + 13/(d = 1 +	T (*	1	N 4 1 'C' 1	D /	mg/kg/day NOAEL 360	00.1
n-Butyl Methacrylate	Ingestion	hematopoietic	Not classified	Rat		90 days
Destert Mether and the	T.,	system	Not classified	D-4	mg/kg/day NOAEL 360	00 1
n-Butyl Methacrylate	Ingestion	liver	Not classified	Rat		90 days
n-Butyl Methacrylate	Ingestion	marriana avatam	Not classified	Rat	mg/kg/day NOAEL 360	90 days
n-Butyi Methaciyiate	ingestion	nervous system	Not classified	Kat	mg/kg/day	90 days
n-Butyl Methacrylate	Ingestion	kidney and/or	Not classified	Rat	NOAEL 360	90 days
n-Butyl Methaelylate	ingestion	bladder	Not classified	Kat	mg/kg/day	90 days
n-Butyl Methacrylate	Ingestion	heart	Not classified	Rat	NOAEL 360	90 days
ii Batyi wiethaerylate	ingestion	neart	1 vot classified	Kut	mg/kg/day	Jo days
n-Butyl Methacrylate	Ingestion	immune system	Not classified	Rat	NOAEL 360	90 days
ii Butyi iiiciiaci yate	ingestion	minute system	1 vot classifica	Tut	mg/kg/day	yo days
2,3-EPOXYPROPYL	Ingestion	endocrine system	Not classified	Rat	NOAEL	90 days
NEODECANOATE	1				1,000	, , , , , ,
					mg/kg/day	
2,3-EPOXYPROPYL	Ingestion	hematopoietic	Not classified	Rat	NOAEL	90 days
NEODECANOATE		system			1,000	_
		-			mg/kg/day	
2,3-EPOXYPROPYL	Ingestion	liver	Not classified	Rat	NOAEL	90 days
NEODECANOATE					1,000	
					mg/kg/day	ļ
2,3-EPOXYPROPYL	Ingestion	kidney and/or	Not classified	Rat	NOAEL 100	90 days
NEODECANOATE	1.	bladder			mg/kg/day	
2,3-EPOXYPROPYL	Ingestion	heart	Not classified	Rat	NOAEL	90 days
NEODECANOATE					1,000	
A A EDOMARD OPEN	¥	1 .	N. 1 'C' 1	~ .	mg/kg/day	00.1
2,3-EPOXYPROPYL	Ingestion	skin	Not classified	Rat	NOAEL	90 days
NEODECANOATE					1,000	
2.2 EDOVVDDODVI	In a +:	gogteointo-tiu-1 turi	Not classified	D-4	mg/kg/day NOAEL	00 day
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	gastrointestinal tract	inot classified	Rat	1,000	90 days
NEODECANOATE					mg/kg/day	
2,3-EPOXYPROPYL	Ingestion	bone, teeth, nails,	Not classified	Rat	NOAEL	90 days
2,3-LI OAIFROFIL	mgestion	oone, teem, nans,	1101 Classificu	Ndl	NOAEL	20 uays

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NEODECANOATE		and/or hair			1,000	
					mg/kg/day	
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	immune system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	eyes	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	respiratory system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
2,3-EPOXYPROPYL NEODECANOATE	Ingestion	vascular system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Toluene	Inhalation	auditory system	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	poisoning and/or abuse
Toluene	Inhalation	nervous system	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	poisoning and/or abuse
Toluene	Inhalation	eyes	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	poisoning and/or abuse
Toluene	Inhalation	olfactory system	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	poisoning and/or abuse
Toluene	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 2.3 mg/l	15 months
Toluene	Inhalation	heart	Not classified	Rat	NOAEL 11.3 mg/l	15 weeks
Toluene	Inhalation	liver	Not classified	Rat	NOAEL 11.3 mg/l	15 weeks
Toluene	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 11.3 mg/l	15 weeks
Toluene	Inhalation	endocrine system	Not classified	Rat	NOAEL 1.1 mg/l	4 weeks
Toluene	Inhalation	immune system	Not classified	Mouse	NOAEL Not available	20 days
Toluene	Inhalation	bone, teeth, nails, and/or hair	Not classified	Mouse	NOAEL 1.1 mg/l	8 weeks
Toluene	Inhalation	hematopoietic system	Not classified	Human	NOAEL Not available	occupational exposure
Toluene	Inhalation	vascular system	Not classified	Human	NOAEL Not available	occupational exposure
Toluene	Inhalation	gastrointestinal tract	Not classified	Multiple animal species	NOAEL 11.3 mg/l	15 weeks
Toluene	Ingestion	nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 625 mg/kg/day	13 weeks
Toluene	Ingestion	heart	Not classified	Rat	NOAEL 2,500 mg/kg/day	13 weeks
Toluene	Ingestion	liver	Not classified	Multiple animal species	NOAEL 2,500 mg/kg/day	13 weeks
Toluene	Ingestion	kidney and/or bladder	Not classified	Multiple animal species	NOAEL 2,500 mg/kg/day	13 weeks
Toluene	Ingestion	hematopoietic system	Not classified	Mouse	NOAEL 600 mg/kg/day	14 days
Toluene	Ingestion	endocrine system	Not classified	Mouse	NOAEL 105 mg/kg/day	28 days
Toluene	Ingestion	immune system	Not classified	Mouse	NOAEL 105 mg/kg/day	4 weeks
Nickel salts of naphthenic acids	Inhalation	respiratory system	Causes damage to organs through prolonged or repeated exposure	similar compoun	NOAEL not available	13 weeks

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3M TM Process Color 884I Yellow	12/02/25

		ds	

Aspiration Hazard

Name	Value
Ethylbenzene	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

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.

Incinerate in a permitted waste incineration facility. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. As a disposal alternative, utilize an acceptable permitted waste disposal facility. 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): D001 (Ignitable), 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

El Citi o 11/012 liuzuru Ciussineutions.				
Physical Hazards				
Flammable (gases, aerosols, liquids, or solids)				

Health Hazards	
Carcinogenicity	
Reproductive toxicity	
Respiratory or Skin Sensitization	

3MTM Process Color 884I Yellow

12/02/25

Serious eye damage or eye irritation

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

Ingredient C.A.S. No % by Wt

Ethylbenzene 100-41-4 Trade Secret 0.1 - 1

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

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: 2 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.

 Document Group:
 18-3682-4
 Version Number:
 24.02

 Issue Date:
 12/02/25
 Supersedes Date:
 03/11/25

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