

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Trade name : Demotec® 95 Blocking Liquid
Product code : HC500

1.2. Other means of identification

Part Number(s) : HC500

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : For animal use only

1.4. Supplier's details

Supplier

Neogen Corporation
620 Leshar Place
Lansing, Michigan 48912
United States of America
T 800.234.5333
sds@neogen.com - <https://www.neogen.com/>

Manufactured for

Neogen Corporation
944 Nandino
Lexington, Kentucky 40511
U.S.A.
T 859-254-1221
[NEOGEN.com](https://www.NEOGEN.com)

1.5. Emergency phone number

Emergency number : 24 hours:
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 2	H225	Highly flammable liquid and vapor.
Acute toxicity (inhalation), Category 4	H332	Harmful if inhaled.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H225 - Highly flammable liquid and vapor
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction

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Precautionary statements (GHS US)	H318 - Causes serious eye damage H332 - Harmful if inhaled H335 - May cause respiratory irritation : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 - Wear protective gloves. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a poison center or doctor. P370+P378 - In case of fire: Use appropriate media to extinguish. P403+P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.
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2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

20% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
25% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
25% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
methylmethacrylate, monomer, stabilised	CAS-No.: 80-62-6	70 – 75	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 3, H402
tetramethylene dimethacrylate	CAS-No.: 2082-81-7	5 – 10	Not classified
methacrylic acid, monoester with propane-1,2-diol	CAS-No.: 27813-02-1	5 – 10	Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
2,2'-[(4-methylphenyl)imino]bisethanol	CAS-No.: 3077-12-1	1 – 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 3, H402 Aquatic Chronic 3, H412

Full text of hazard classes and H-statements : see section 16

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SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Allow affected person to breathe fresh air. If not breathing, give artificial respiration. Get medical attention.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	: Rinse mouth out with water. Drink plenty of water.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Carbon dioxide. Foam. Dry powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: Highly flammable liquid and vapor. vapors may cause fire/explosion if source of ignition is present.
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5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Control run-off water by containing and keeping it out of sewers and watercourses.
Protection during firefighting	: Self-contained breathing apparatus. Wear recommended personal protective equipment. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources.
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For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing.

For emergency responders

Emergency procedures	: Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.
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Environmental precautions	: Do not allow product to spread into the environment.
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6.2. Methods and materials for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb spilled material with sand or earth.
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Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.
Other information : Dispose of materials or solid residues at an authorized site.

See Heading 8. For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray.
Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Always wash hands after handling the product. Do not eat, drink or smoke when using this product.
Additional hazards when processed : Flammable vapors may accumulate in the container. May explode on heating.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Storage area : Store away from heat. Store in a well-ventilated place.
Incompatible products : Oxidizing agent.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

methylmethacrylate, monomer, stabilised (80-62-6)

USA - ACGIH® - Threshold Limit Values

Local name	Methyl methacrylate
ACGIH® TLV® TWA	205 mg/m ³
	50 ppm
ACGIH® TLV® STEL	410 mg/m ³
	100 ppm
Remark (ACGIH®)	TLV® Basis: URT & Eye irr; Body weight; Pulm edema. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025

USA - OSHA - Occupational Exposure Limits

Local name	Methyl methacrylate
OSHA PEL TWA	410 mg/m ³
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation.

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8.3. Individual protection measures, such as personal protective equipment

Materials for protective clothing:

Wear protective clothing. Use footwear with anti-static or anti-spark features

Hand protection:

Wear protective gloves

Eye protection:

Wear eye protection. Face shield

Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Colorless
Odor	: Characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: -48.2 °C
Freezing point	: No data available
Boiling point	: 100.3 °C
Flash point	: 10 °C
Flammability (solid, gas)	: No data available
Vapor pressure	: 38.7 hPa
Relative vapor density at 20°C	: > 1
Relative density	: No data available
Solubility	: Water: 15.9 g/l
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: 430 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0.62 mPa·s
Explosion limits	: No data available
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Extremely flammable liquid and vapor.

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10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Heating may cause a fire.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Harmful if inhaled.

Demotec® 95 Blocking Liquid	
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Unknown acute toxicity (GHS US)	20% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 25% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 25% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

methymethacrylate, monomer, stabilised (80-62-6)

LD50 oral rat	9400 mg/kg body weight (Rat, Male / female, Experimental value, Oral)
LD50 oral	7800 mg/kg
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LD50 dermal	5000 mg/kg
LC50 Inhalation - Rat	29.8 mg/l air (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 1 day(s))
LC50 Inhalation - Rat [ppm]	7093 ppm Source: HSDB
LC50 Inhalation - Rat (Vapors)	29.04 mg/l/4h
ATE US (oral)	7800 mg/kg body weight
ATE US (dermal)	5000 mg/kg body weight
ATE US (gases)	7093 ppmV/4h
ATE US (vapors)	29.04 mg/l/4h
ATE US (dust, mist)	29.8 mg/l/4h

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tetramethylene dimethacrylate (2082-81-7)	
LD50 oral rat	10066 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	10060 mg/kg
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Female, Experimental value, Dermal, 14 day(s))

methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, 24 h, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))

2,2'-[(4-methylphenyl)imino]bisethanol (3077-12-1)	
LD50 oral rat	959 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE US (oral)	959 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.

methylmethacrylate, monomer, stabilised (80-62-6)	
pH	No data available in the literature

tetramethylene dimethacrylate (2082-81-7)	
pH	No data available in the literature

methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
pH	No data available in the literature

2,2'-[(4-methylphenyl)imino]bisethanol (3077-12-1)	
pH	6.91 (20 °C, OECD 105: Water Solubility)

Serious eye damage/irritation : Causes serious eye damage.

methylmethacrylate, monomer, stabilised (80-62-6)	
pH	No data available in the literature

tetramethylene dimethacrylate (2082-81-7)	
pH	No data available in the literature

methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
pH	No data available in the literature

2,2'-[(4-methylphenyl)imino]bisethanol (3077-12-1)	
pH	6.91 (20 °C, OECD 105: Water Solubility)

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

methylmethacrylate, monomer, stabilised (80-62-6)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

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STOT-single exposure : May cause respiratory irritation.

methymethacrylate, monomer, stabilised (80-62-6)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : Not classified

tetramethylene dimethacrylate (2082-81-7)

NOAEL (oral, rat, 90 days)	300 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
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methacrylic acid, monoester with propane-1,2-diol (27813-02-1)

LOAEC (inhalation, rat, gas, 90 days)	350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (oral, rat, 28 days)	300 mg/kg bw/day
NOAEL (oral, rat, 90 days)	300 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEC (inhalation, rat, gas, 90 days)	100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

2,2'-[(4-methylphenyl)imino]bisethanol (3077-12-1)

NOAEL (oral, rat, 90 days)	100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral)), Guideline: other:
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

methymethacrylate, monomer, stabilised (80-62-6)

Viscosity, kinematic	0.564 mm ² /s (20 °C, OECD 114: Viscosity of Liquids)
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tetramethylene dimethacrylate (2082-81-7)

Viscosity, kinematic	5.29 mm ² /s (20 °C, OECD 114: Viscosity of Liquids)
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methacrylic acid, monoester with propane-1,2-diol (27813-02-1)

Viscosity, kinematic	8.88 mm ² /s (20 °C, OECD 114: Viscosity of Liquids)
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Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

methymethacrylate, monomer, stabilised (80-62-6)

LC50 - Fish [1]	> 100 mg/l (Pisces, Literature study)
EC50 - Crustacea [1]	69 mg/l (EPA OTS 797.1300, 48 h, Daphnia magna, Flow-through system, Fresh water, Experimental value, Locomotor effect)

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methylmethacrylate, monomer, stabilised (80-62-6)	
EC50 72h - Algae [1]	> 110 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)
ErC50 algae	> 110 mg/l
LOEC (chronic)	68 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	37 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	9.4 mg/l
NOEC chronic crustacea	3.5 mg/l
NOEC chronic algae	86 mg/l
tetramethylene dimethacrylate (2082-81-7)	
LC50 - Fish [1]	3.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	28 mg/l (48 h, Invertebrata, QSAR)
EC50 - Other aquatic organisms [1]	28.4 mg/l Test organisms (species):
EC50 72h - Algae [1]	9.79 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	4.97 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	0.309 mg/l Source: Ecological Structure Activity Relationships
ErC50 algae	9.8 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Measured concentration)
LOEC (chronic)	13.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	5.09 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	5.09 mg/l
NOEC chronic algae	2.11 mg/l
methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
LC50 - Fish [1]	493 mg/l (DIN 38412-15, 48 h, Leuciscus idus, Static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	> 143 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	> 97.2 mg/l
ErC50 algae	> 97.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
NOEC (chronic)	45.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	45.2 mg/l
2,2'-[(4-methylphenyl)imino]bisethanol (3077-12-1)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	48 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)

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2,2'-[(4-methylphenyl)imino]bisethanol (3077-12-1)	
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)

12.2. Persistence and degradability

Demotec® 95 Blocking Liquid	
Persistence and degradability	Not rapidly degradable
methylmethacrylate, monomer, stabilised (80-62-6)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.14 g O ₂ /g substance
ThOD	1.9 g O ₂ /g substance
tetramethylene dimethacrylate (2082-81-7)	
Persistence and degradability	Readily biodegradable in water.
methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
Persistence and degradability	Readily biodegradable in water.
2,2'-[(4-methylphenyl)imino]bisethanol (3077-12-1)	
Persistence and degradability	Not readily biodegradable in water.

12.3. Bioaccumulative potential

methylmethacrylate, monomer, stabilised (80-62-6)	
Partition coefficient n-octanol/water (Log Pow)	1.4 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
tetramethylene dimethacrylate (2082-81-7)	
Partition coefficient n-octanol/water (Log Pow)	3.1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
Partition coefficient n-octanol/water (Log Pow)	0.97 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
2,2'-[(4-methylphenyl)imino]bisethanol (3077-12-1)	
Partition coefficient n-octanol/water (Log Pow)	2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 35 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

methylmethacrylate, monomer, stabilised (80-62-6)	
Surface tension	61 mN/m (OECD 115: Surface Tension of Aqueous Solutions)

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methylmethacrylate, monomer, stabilised (80-62-6)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.94 – 1.9 (log Koc, EPA OTS 796.2750: Sediment and Soil Adsorption Isotherm, Experimental value, GLP)
Ecology - soil	Highly mobile in soil.
tetramethylene dimethacrylate (2082-81-7)	
Mobility in soil	2.558 Source: Quantitative Structure Activity Relation
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.9 – 2.5 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for adsorption in soil.
methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.9 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil.
2,2'-[(4-methylphenyl)imino]bisethanol (3077-12-1)	
Surface tension	63 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.33 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for adsorption in soil.

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14 Transport information





In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
UN1247	UN1247	1247	1247
14.2. Proper Shipping Name			
Methyl methacrylate monomer, stabilized	METHYL METHACRYLATE MONOMER, STABILIZED	METHYL METHACRYLATE MONOMER, STABILIZED	Methyl methacrylate monomer, stabilized
14.3. Transport hazard class(es)			
3	3	3	3

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DOT	TDG	IMDG	IATA
			
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

- UN-No. (DOT) : UN1247
- DOT Special Provisions (49 CFR 172.102) : 387 - When materials are stabilized by temperature control, the provisions of §173.21(f) of this subchapter apply. When chemical stabilization is employed, the person offering the material for transport shall ensure that the level of stabilization is sufficient to prevent the material as packaged from dangerous polymerization at 50 °C (122 °F). If chemical stabilization becomes ineffective at lower temperatures within the anticipated duration of transport, temperature control is required and is forbidden by aircraft. In making this determination factors to be taken into consideration include, but are not limited to, the capacity and geometry of the packaging and the effect of any insulation present, the temperature of the material when offered for transport, the duration of the journey, and the ambient temperature conditions typically encountered in the journey (considering also the season of year), the effectiveness and other properties of the stabilizer employed, applicable operational controls imposed by regulation (e.g.requirements to protect from sources of heat, including other cargo carried at a temperature above ambient) and any other relevant factors. The provisions of this special provision will be effective until January 2, 2019, unless we terminate them earlier or extend them beyond that date by notice of a final rule in the Federal Register.
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
- DOT Packaging Exceptions (49 CFR 173.xxx) : 150
- DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
- DOT Packaging Bulk (49 CFR 173.xxx) : 242
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L
- DOT Vessel Stowage Location : C - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel.
- DOT Vessel Stowage Other : 25 - Shade from radiant heat, 40 - Stow "clear of living quarters"

TDG

- UN-No. (TDG) : UN1247

Demotec® 95 Blocking Liquid

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TDG Special Provisions	: 155 - (1) If these dangerous goods are stabilized by temperature control, they must be offered for transport, handled or transported in accordance with section 7.1.5 of the UN Recommendations. (2) If chemical stabilization is employed, the person offering the means of containment for transport must ensure that the level of stabilization will prevent a dangerous polymerization of the dangerous goods at a bulk mean temperature of 50°C in the case of a small means of containment or an intermediate bulk container (IBC) or, in the case of a large means of containment that is not an IBC, at a bulk mean temperature of 45°C. (3) If chemical stabilization may become ineffective at lower temperatures within the anticipated duration of transport, temperature control is required. In determining whether chemical stabilization may become ineffective at lower temperatures, the person offering the means of containment for transport must take at least the following factors into consideration: (a) the capacity and geometry of the means of containment and the effect of any insulation; (b) the temperature of the dangerous goods when offered for transport; (c) the duration of the transport and the seasonal ambient temperature conditions typically encountered during transport; and (d) the effectiveness and other physical or chemical properties of the stabilizer employed.
Explosive Limit and Limited Quantity Index	: 1 L
Excepted quantities (TDG)	: E2
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 5 L
Emergency Response Guide (ERG) Number	: 129P

IMDG	
Special provision (IMDG)	: 386
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG)	: C
Stowage and handling (IMDG)	: SW1, SW2
Flash point (IMDG)	: 8°C c.c.
Properties and observations (IMDG)	: Colorless, volatile liquid. Flashpoint: 8°C c.c. Explosive limits: 1.5% to 11.6%. Immiscible with water. Irritating to skin, eyes and mucous membranes.

IATA	
Special provision (IATA)	: A209
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
ERG code (IATA)	: 3L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are exempt or present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

tetramethylene dimethacrylate	CAS-No. 2082-81-7	5 – 10%
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Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

methymethacrylate, monomer, stabilised	CAS-No. 80-62-6	70 – 75%
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methymethacrylate, monomer, stabilised (80-62-6)

Listed on EPA Hazardous Air Pollutant (HAPS)
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

CERCLA RQ	1000 lb
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15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 12/11/2025

Issue date : 12/8/2025

Full text of hazard classes and H-statements

H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.