

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

1.1. Product identifier

Product form : Mixture
Product name : Custom 8270 Misc Mix
Product code : AL0-130135
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Laboratory use
Industrial/Professional use spec : Industrial
For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Phenova
6390 Joyce Dr. Suite 100
80403 Golden, CO - United States
T 1-866-942-2978 - F 1-866-283-0269
info@phenova.com - www.phenova.com

1.4. Emergency telephone number

Emergency number : ChemTel Assistance (US/Canada) 1-800-255-3924
ChemTel Assistance (International) +1 813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225
Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Dermal) H312
Acute Tox. 4 (Inhalation) H332
Muta. 1B H340
Carc. 1B H350
Aquatic Chronic 3 H412

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc. Cat. 2; R45
Xn; R20/21/22
R52/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

Signal word (CLP) :

Danger

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- Hazard statements (CLP) : H225 - Highly flammable liquid and vapour
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
H340 - May cause genetic defects
H350 - May cause cancer
H412 - Harmful to aquatic life with long lasting effects
- Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 - Keep container tightly closed
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P308+P313 - IF exposed or concerned: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P403+P235 - Store in a well-ventilated place. Keep cool
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
- EUH-statements : EUH208 - Contains m-phenylenediamine(108-45-2), Acrylamide(79-06-1), o-Anisidine(90-04-0), phthalic anhydride(85-44-9). May produce an allergic reaction

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Methylene Chloride (Component)	(CAS-No.) 75-09-2 (EC-No.) 200-838-9 (EC Index-No.) 602-004-00-3	98.8	Carc. 2, H351
m-phenylenediamine (Component)	(CAS-No.) 108-45-2 (EC-No.) 203-584-7 (EC Index-No.) 612-147-00-3	0.1	Muta. 2, H341 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,4-xylidine (Component)	(CAS-No.) 95-68-1 (EC-No.) 202-440-0 (EC Index-No.) 612-027-00-0	0.1	Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT RE 2, H373 Aquatic Chronic 2, H411
2,6-xylidine (Component)	(CAS-No.) 87-62-7 (EC-No.) 201-758-7 (EC Index-No.) 612-161-00-X	0.1	Carc. 2, H351 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Acrylamide (Component) substance listed as REACH Candidate	(CAS-No.) 79-06-1 (EC-No.) 201-173-7 (EC Index-No.) 616-003-00-0	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361 STOT RE 1, H372

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzal Chloride (Component)	(CAS-No.) 98-87-3 (EC-No.) 202-709-2 (EC Index-No.) 602-058-00-8	0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation), H330 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 STOT SE 3, H335
o-Anisidine (Component) substance listed as REACH Candidate (2-Methoxyaniline; o-Anisidine)	(CAS-No.) 90-04-0 (EC-No.) 201-963-1 (EC Index-No.) 612-035-00-4	0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:dust,mist), H331 Resp. Sens. 1, H334 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
6-methoxy-m-toluidine (Component) substance listed as REACH Candidate (6-methoxy-m-toluidine (p-cresidine))	(CAS-No.) 120-71-8 (EC-No.) 204-419-1 (EC Index-No.) 612-209-00-X	0.1	Carc. 1B, H350 Acute Tox. 4 (Oral), H302
phthalic anhydride (Component)	(CAS-No.) 85-44-9 (EC-No.) 201-607-5 (EC Index-No.) 607-009-00-4	0.1	Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317
Triethylamine (Component)	(CAS-No.) 121-44-8 (EC-No.) 204-469-4 (EC Index-No.) 612-004-005	0.1	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1, H314 Eye Dam. 1, H318 STOT SE 3, H335
carbazole (Component)	(CAS-No.) 86-74-8 (EC-No.) 201-696-0	0.1	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,4-dinitrobenzene (Component)	(CAS-No.) 100-25-4 (EC-No.) 202-833-7 (EC Index-No.) 609-004-00-2	0.1	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4,4'-methylenebis(2-chlorobenzeneamine) (Component) substance listed as REACH Candidate (2,2'-dichloro-4,4'-methylenedianiline) substance listed in REACH Annex XIV (2,2'-dichloro-4,4'-methylenedianiline (MOCA))	(CAS-No.) 101-14-4 (EC-No.) 202-918-9 (EC Index-No.) 612-078-00-9	0.1	Carc. 1B, H350 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up in absorbent material. Collect spillage.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container closed when not in use. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.
- Incompatible materials : Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Appropriate engineering controls : Either local exhaust or general room ventilation is usually required.
- Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.



- Hand protection : Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration.
- Eye protection : Chemical goggles or safety glasses. Safety glasses.
- Skin and body protection : Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.
- Respiratory protection : Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid

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Colour	: Colourless.
Odour	: characteristic.
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Relative density	: No data available
Solubility	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

Custom 8270 Misc Mix	
ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
m-phenylenediamine (108-45-2)	
LC50 inhalation rat (mg/l)	3.2 mg/l/4h (Rat; Experimental value)
2,4-xylydine (95-68-1)	
LD50 oral rat	467 mg/kg (Rat)
2,6-xylydine (87-62-7)	
LD50 oral rat	840 mg/kg (Rat)
Acrylamide (79-06-1)	
LD50 oral rat	177 mg/kg
LD50 dermal rabbit	1141 mg/kg
LC50 inhalation rat (mg/l)	> 1.5 g/m ³
ATE CLP (oral)	177 mg/kg bodyweight
ATE CLP (dermal)	1141 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h

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Benzal Chloride (98-87-3)	
LD50 oral rat	3249 mg/kg
ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (gases)	100 ppmv/4h
ATE CLP (vapours)	0.5 mg/l/4h
ATE CLP (dust,mist)	0.05 mg/l/4h
o-Anisidine (90-04-0)	
LD50 oral rat	1800 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 3.87 mg/l/4h
ATE CLP (oral)	1800 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	3 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h
6-methoxy-m-toluidine (120-71-8)	
LD50 oral rat	1450 mg/kg (Rat)
phthalic anhydride (85-44-9)	
LD50 oral rat	1530 mg/kg (Rat)
LD50 dermal rabbit	> 3160 mg/kg (Rabbit)
Triethylamine (121-44-8)	
LD50 oral rat	730 mg/kg
LD50 dermal rabbit	580 mg/kg
LC50 inhalation rat (mg/l)	7.1 mg/l/4h
ATE CLP (oral)	730 mg/kg bodyweight
ATE CLP (dermal)	580 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	7.1 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h
carbazole (86-74-8)	
LD50 oral rat	>= 5000 mg/kg (Rat)
1,4-dinitrobenzene (100-25-4)	
ATE CLP (oral)	5 mg/kg bodyweight
ATE CLP (dermal)	5 mg/kg bodyweight
ATE CLP (gases)	100 ppmv/4h
ATE CLP (vapours)	0.5 mg/l/4h
ATE CLP (dust,mist)	0.05 mg/l/4h
4,4'-methylenebis(2-chlorobenzeneamine) (101-14-4)	
LD50 oral rat	1140 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
Methylene Chloride (75-09-2)	
LD50 oral rat	> 2000 mg/kg (Rat; Literature study)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Literature study)

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: May cause genetic defects. Based on available data, the classification criteria are not met
Carcinogenicity	: May cause cancer. Based on available data, the classification criteria are not met May cause cancer
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met

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STOT-single exposure	: Not classified Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

m-phenylenediamine (108-45-2)	
EC50 Daphnia 2	4.9 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	5.63 mg/l (ErC50; US EPA; 96 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
2,6-xylylidine (87-62-7)	
LC50 fish 2	143.3 mg/l (LC50; 96 h)
Acrylamide (79-06-1)	
LC50 fish 1	90 mg/l Pimephales promelas (fathead minnow)
EC50 Daphnia 1	160 mg/l Daphnia magna (water flea)
o-Anisidine (90-04-0)	
EC50 Daphnia 1	2.18 mg/l Daphnia Magna (Water flea)
6-methoxy-m-toluidine (120-71-8)	
LC50 fish 1	170 mg/l (LC50; 48 h)
phthalic anhydride (85-44-9)	
LC50 fish 2	56 mg/l (LC50; 96 h; Pisces)
EC50 Daphnia 2	71 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Fresh water)
Threshold limit algae 1	>= 100 mg/l (NOEC; EU Method C.3; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value)
Threshold limit algae 2	> 100 mg/l (EC50; EU Method C.3; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value)
Triethylamine (121-44-8)	
LC50 fish 1	24 mg/l Oryzias latipes (Orange-Red Killfish)
EC50 Daphnia 1	17 mg/l Daphnia dubia (Water flea)
carbazole (86-74-8)	
EC50 Daphnia 1	2.3 - 4.9 mg/l (EC50; 48 h)
LC50 fish 2	0.93 mg/l (LC50; 96 h)
1,4-dinitrobenzene (100-25-4)	
LC50 fish 1	0.6 mg/l (LC50; 96 h)
EC50 Daphnia 1	450 mg/l (EC50; 48 h)
Threshold limit algae 1	340 mg/l (EC50; 72 h)
4,4'-methylenebis(2-chlorobenzeneamine) (101-14-4)	
LC50 fish 1	1 mg/l (LC50; 48 h)
Methylene Chloride (75-09-2)	
LC50 fish 1	193 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 1	168.2 mg/l (EC50; 48 h)

12.2. Persistence and degradability

Custom 8270 Misc Mix	
Persistence and degradability	Not established.
m-phenylenediamine (108-45-2)	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. No (test)data on mobility of the substance available. Photodegradation in the air.
2,4-xylylidine (95-68-1)	
Persistence and degradability	Not readily biodegradable in water. Biodegradability in soil: no data available.

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2,6-xylydine (87-62-7)	
Persistence and degradability	Not readily biodegradable in water. Photolysis in the air. Photooxidation in the air.
6-methoxy-m-toluidine (120-71-8)	
Persistence and degradability	Not readily biodegradable in water.
phthalic anhydride (85-44-9)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.26 g O ₂ /g substance
ThOD	1.51 g O ₂ /g substance
BOD (% of ThOD)	0.83
carbazole (86-74-8)	
Persistence and degradability	Not readily biodegradable in water.
1,4-dinitrobenzene (100-25-4)	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil.
4,4'-methylenebis(2-chlorobenzeneamine) (101-14-4)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Adsorbs into the soil.
Methylene Chloride (75-09-2)	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil.

12.3. Bioaccumulative potential

Custom 8270 Misc Mix	
Bioaccumulative potential	Not established.
m-phenylenediamine (108-45-2)	
BCF fish 1	1.3 - 24 (BCF; Other; 6 weeks; Cyprinus carpio; Flow-through system)
Log Pow	-0.39 (QSAR; KOWWIN)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
2,4-xylydine (95-68-1)	
Log Pow	1.85 (Calculated)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
2,6-xylydine (87-62-7)	
BCF fish 1	3.6 (BCF; 48 h)
BCF fish 2	2.4 (BCF; 48 h)
Log Pow	1.96 (Calculated)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
6-methoxy-m-toluidine (120-71-8)	
BCF fish 1	< 25 (BCF)
Log Pow	1.74
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
phthalic anhydride (85-44-9)	
BCF fish 1	71.87 (BCF; 24 h; Gambusia affinis)
BCF other aquatic organisms 2	39.46 (BCF; 24 h; Daphnia magna)
Log Pow	1.6 (Experimental value; Other)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
carbazole (86-74-8)	
BCF fish 1	34 - 241 (BCF)
BCF fish 2	500 (BCF)
BCF other aquatic organisms 1	115 (BCF)
BCF other aquatic organisms 2	108 (BCF; 24 h)
Log Pow	3.84 (OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
1,4-dinitrobenzene (100-25-4)	
BCF fish 1	5 (BCF)
Log Pow	1.46 - 1.49
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
4,4'-methylenebis(2-chlorobenzeneamine) (101-14-4)	
BCF fish 1	114 - 398 (BCF)
Log Pow	3.94 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

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Methylene Chloride (75-09-2)	
BCF fish 1	2 - 40 (BCF)
Log Pow	1.25 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

Methylene Chloride (75-09-2)	
Surface tension	0.028 N/m (20 °C)
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

12.5. Results of PBT and vPvB assessment

Component	
Acrylamide (79-06-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
o-Anisidine (90-04-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
6-methoxy-m-toluidine (120-71-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
4,4'-methylenebis(2-chlorobenzamine) (101-14-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 2810
UN-No. (IATA) : 2810
UN-No. (IMDG) : 2810
UN-No. (ADN) : 2810

14.2. UN proper shipping name

Proper Shipping Name (ADR) : TOXIC LIQUID, ORGANIC, N.O.S.
Proper Shipping Name (IATA) : Toxic liquid, organic, n.o.s.
Proper Shipping Name (IMDG) : TOXIC LIQUID, ORGANIC, N.O.S.
Proper Shipping Name (ADN) : TOXIC LIQUID, ORGANIC, N.O.S.
Transport document description (ADR) : UN 2810 TOXIC LIQUID, ORGANIC, N.O.S., 6.1, III, (E)

14.3. Packing group

Class (ADR) : 6.1
Classification code (ADR) : T1
Class (IATA) : 6.1
Class (IMDG) : 6.1
Class (ADN) : 6.1
Classification code (ADN) : T1
Danger labels (ADR) : 6.1



Division (IATA) : 6.1

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Hazard labels (IATA) : 6.1



Danger labels (IMDG) : 6.1



Danger labels (ADN) : 6.1



14.4. Packing group

Packing group (ADR) : III
Packing group (IATA) : III
Packing group (IMDG) : III
Packing group (ADN) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 60
Classification code (ADR) : T1
Orange plates :



Special provisions (ADR) : 274, 614
Transport category (ADR) : 2
Tunnel restriction code (ADR) : E
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1

14.6.2. Transport by sea

Special provisions (IMDG) : 223, 274
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP1, TP28
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-A
Stowage category (IMDG) : A
Properties and observations (IMDG) : Toxic if swallowed, by skin contact or by inhalation.

14.6.3. Air transport

CAO packing instructions (IATA) : 663
CAO max net quantity (IATA) : 220L
PCA packing instructions (IATA) : 655
PCA Limited quantities (IATA) : Y642
PCA limited quantity max net quantity (IATA) : 2L
PCA max net quantity (IATA) : 60L
PCA Excepted quantities (IATA) : E1
Special provisions (IATA) : A3, A4, A137

Custom 8270 Misc Mix

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ERG code (IATA) : 6L

14.6.4. Inland waterway transport

Special provisions (ADN) : 274, 614, 802
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP, TOX, A
Ventilation (ADN) : VE02
Number of blue cones/lights (ADN) : 0
Carriage prohibited (ADN) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Acrylamide (EC 201-173-7, CAS 79-06-1), 2-Methoxyaniline; o-Anisidine (EC 201-963-1, CAS 90-04-0), 6-methoxy-m-toluidine (p-cresidine) (EC 204-419-1, CAS 120-71-8), 2,2'-dichloro-4,4'-methylenedianiline (EC 202-918-9, CAS 101-14-4)

Contains REACH Annex XIV substances:

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

PHV SDS EU

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