

# LESCO® Momentum XPD Herbicide

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 1/28/2025 Version: 1.0

### SECTION 1 Identification

#### 1.1. Product identifier

Product form Mixture  
Trade name LESCO Momentum XPD  
Herbicide  
EPA Reg. No. 228-760-10404

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Herbicide

#### 1.4. Supplier's details

LESCO, Inc. 24500 Center  
Ridge Rd. Suite 350  
Westlake, OH 44145  
United States  
T 1-800-347-4272  
[www.siteone.com](http://www.siteone.com)

#### 1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)  
CCN 16105

### SECTION 2 Hazard Identification

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

##### GHS US classification

Flammable liquid, Category 4	H227	Combustible liquid.
Serious eye damage/eye irritation, Category 2A	H319	Causes serious eye irritation.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351	Suspected of causing cancer (Inhalation).
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

Hazard statements (GHS US)

: Danger  
: Combustible liquid  
May be fatal if swallowed and enters airways  
May cause an allergic skin reaction  
Causes serious eye irritation  
Suspected of causing cancer (Inhalation).

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### Precautionary statements (GHS US)

- : 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.
- Avoid breathing mist, spray, vapours.
- Wash hands thoroughly after handling.
- Contaminated work clothing must not be allowed out of the workplace.
- Wear protective gloves, eye protection.
- If swallowed: Immediately call a poison center or doctor.
- Do NOT induce vomiting.
- If on skin: Wash with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice or attention.
- Take off contaminated clothing and wash it before reuse.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice or attention.
- If exposed or concerned: Get medical advice/attention.
- In case of fire: Use Dry chemical, CO2, alcohol-resistant foam or waterspray to extinguish.
- Store in a well-ventilated place.
- Store locked up.
- Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 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

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid	CAS-No.: 29450-45-1	27.62 – 29.32	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400
Distillates (petroleum), hydrotreated light, Kerosine - unspecified	CAS-No.: 64742-47-8	22.35 – 25.02	Asp. Tox. 1, H304
Solvent Naphtha (Petroleum), Heavy Aromatic	CAS-No.: 64742-94-5	14.47 – 15.23	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Dipropylene glycol monomethyl ether	CAS-No.: 34590-94-8	9.5 – 10.5	Flam. Liq. 4, H227

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Name	Product identifier	%	GHS US classification
Mecoprop-P and its salts, (R)-2-(4-chloro-2-methylphenoxy)propionic acid	CAS-No.: 16484-77-8	5.21 – 5.75	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-Methylnaphthalene	CAS-No.: 91-57-6	< 6.092	Acute Tox. 4 (Oral), H302 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Triclopyr Butoxyethyl Ester	CAS-No.: 64700-56-7	4.02 – 4.44	Acute Tox. 4 (Oral), H302 Eye Irrit. 2B, H320 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-Methylnaphthalene	CAS-No.: 90-12-0	< 3.808	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2-Ethylhexanol	CAS-No.: 104-76-7	0.57 – 2.013	Aquatic Chronic 3, H412
Calcium Dodecylbenzene Sulfonate	CAS-No.: 26264-06-2	1.14 – 1.47	Acute Tox. 4 (Oral), H302 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Naphthalene	CAS-No.: 91-20-3	< 0.137	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

## SECTION 4 First aid measures

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

First-aid measures general : First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. Call a physician immediately.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a physician immediately.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Aspiration of the product into the lungs may cause very serious pneumonia.

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

Symptoms/effects after eye contact : Eye irritation. Redness, itching, tears.

Symptoms/effects after ingestion : During vomiting high danger of aspiration. Risk of lung edema.

Most Important Symptoms/Effects : Risk of product entering the lungs on vomiting after ingestion.

Chronic symptoms : Prolonged and frequent exposure through inhalation may cause cancer.

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

Other medical advice or treatment : Call a physician immediately.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or waterspray.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.  
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Hydrogen chloride. Organic acids. Irritating aldehydes and ketones. Sulfur oxides. Sulfuric acid.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Large fires: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting devices or discoloration from tank. ALWAYS stay away from tanks engulfed in fire. Prevent fire-fighting water from entering environment.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6 Accidental release measures

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

General measures : Avoid all personal contact including breathing in the mist, spray, vapors. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

#### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Avoid breathing mist, spray, vapors. Avoid contact with skin and eyes. If possible without taking personal risks, remove ignition sources, ventilate area. Prevent other non-emergency personnel from entering the danger area. No open flames, no sparks, and no smoking.

#### For emergency responders

Protective equipment : Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate personnel to a safe area. Do not touch spilled material. Stop leak if safe to do so.  
Environmental precautions : Do not let the product reach soil, drains, sewers, or surface and ground water.

### 6.2. Methods and materials for containment and cleaning up

For containment : Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

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### Methods for cleaning up

: Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Notify authorities if product enters sewers or public waters. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

#### Precautions for safe handling

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Avoid breathing mist, spray, vapors. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Take precautionary measures against static discharge.

: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

: Combustible liquid. Proper grounding procedures to avoid static electricity should be followed.

#### Hygiene measures

#### Additional hazards when processed

### 7.2. Conditions for safe storage, including incompatibilities

#### Storage conditions

: Store in a cool, dry and well-ventilated area away from incompatible substances. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Keep container tightly closed.

#### Incompatible materials

: Strong acids. Strong bases. Strong oxidizing agents.

#### Packaging materials

: Store always product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

#### 2-Ethylhexanol (104-76-7)

##### USA - ACGIH - Occupational Exposure Limits

Local name	2-Ethyl-1-hexanol
ACGIH OEL TWA	5 ppm
Remark (ACGIH)	TLV® Basis: URT irr & eye irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024

#### Dipropylene glycol monomethyl ether (34590-94-8)

##### USA - ACGIH - Occupational Exposure Limits

Local name	Dipropylene glycol methyl ether (DPGME)
ACGIH OEL TWA	50 ppm
Remark (ACGIH)	TLV® Basis: Liver & CNS eff
Regulatory reference	ACGIH 2024

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### Dipropylene glycol monomethyl ether (34590-94-8)

#### USA - OSHA - Occupational Exposure Limits

Local name	Dipropylene glycol methyl ether
OSHA PEL TWA	600 mg/m <sup>3</sup>
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 1-Methylnaphthalene (90-12-0)

#### USA - ACGIH - Occupational Exposure Limits

Local name	1-Methylnaphthalene
ACGIH OEL TWA	0.05 ppm
Remark (ACGIH)	TLV® Basis: URT irr; lung dam; liver eff. Notations: Skin; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024

### 2-Methylnaphthalene (91-57-6)

#### USA - ACGIH - Occupational Exposure Limits

Local name	2-Methylnaphthalene
ACGIH OEL TWA	0.05 ppm
Remark (ACGIH)	TLV® Basis: URT irr; lung dam; liver eff. Notations: Skin; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024

### Naphthalene (91-20-3)

#### USA - ACGIH - Occupational Exposure Limits

Local name	Naphthalene
ACGIH OEL TWA	10 ppm
Remark (ACGIH)	TLV® Basis: URT irr; cararacts; hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024

#### USA - ACGIH - Biological Exposure Indices

Local name	Naphthalene
BEI	Parameter: 1-Naphthol + 2-Naphthol (with hydrolysis) - Sampling time: End of shift - Notations: Nq, Ns
Regulatory reference	ACGIH 2024

#### USA - OSHA - Occupational Exposure Limits

Local name	Naphthalene
OSHA PEL TWA	50 mg/m <sup>3</sup>
	10 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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### 8.2. Appropriate engineering controls

#### Appropriate engineering controls

: Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

#### Environmental exposure controls

: Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

#### Hand protection:

Wear protective gloves. Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Body protection should be chosen depending on activity and possible exposure. Long sleeved protective clothing. Chemical resistant safety shoes.

#### Respiratory protection:

If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

#### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Straw
Odor	: Light Agreeable
Odor threshold	: No data available
pH	: 2.64 @ 1 %
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 0.984 @ 20 °C / 68 °F
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 7.022 mm²/s @ 40 °C / 104 °F; 14.867 cSt @ 20 °C / 68 °F

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Explosion limits : No data available

Particle characteristics : No data available

### 2-Ethylhexanol

Particle characteristics	No data available
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### 2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid

Particle characteristics	No data available
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### Mecoprop-p Acid

Particle characteristics	No data available
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### Triclopyr Butoxyethyl Ester

Particle characteristics	No data available
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### Calcium Dodecylbenzene Sulfonate

Particle characteristics	No data available
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### Dipropylene glycol monomethyl ether

Particle characteristics	No data available
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### Solvent Naphtha (Petroleum), Heavy Aromatic

Particle characteristics	No data available
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### 1-Methylnaphthalene

Particle characteristics	No data available
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### 2-Methylnaphthalene

Particle characteristics	No data available
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### Naphthalene

Particle characteristics	No data available
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### Isoparaffinic Hydrocarbon

Particle characteristics	No data available
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## 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. Direct sunlight. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon monoxide. Carbon dioxide. Hydrogen chloride. Irritating aldehydes and ketones. Organic acids. Sulfuric acid. Sulfur oxides.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified.

#### NFA - 0140203 Herbicide

LD50 oral rat	3129 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 2.15 mg/l
ATE US (oral)	3129 mg/kg body weight

#### 2-Ethylhexanol

LD50 oral rat	≈ 2047 mg/kg body weight
LC50 Inhalation - Rat	0.89 – 5.3 mg/l air

#### 2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid

LD50 oral rat	300 – 2000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 5.05 mg/l air

#### Mecoprop-p Acid

LD50 oral rat	431 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 0.87 mg/l air

#### Triclopyr Butoxyethyl Ester

LD50 oral rat	803 mg/kg
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#### Calcium Dodecylbenzene Sulfonate

LD50 oral rat	1300 mg/kg body weight
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<b>Calcium Dodecylbenzene Sulfonate</b>	
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	0.31 mg/l air
<b>Dipropylene glycol monomethyl ether</b>	
LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rat	> 19020 mg/kg body weight
LD50 dermal rabbit	9510 mg/kg body weight
<b>Solvent Naphtha (Petroleum), Heavy Aromatic</b>	
LD50 dermal rat	> 2000 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg body weight
<b>1-Methylnaphthalene</b>	
LD50 oral rat	1840 mg/kg
<b>2-Methylnaphthalene</b>	
LD50 oral rat	1630 mg/kg
<b>Naphthalene</b>	
LD50 oral rat	533 – 710 mg/kg body weight
<b>Isoparaffinic Hydrocarbon</b>	
LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 5.28 mg/l air
Skin corrosion/irritation	: Slightly irritating to rabbits on cutaneous application pH: 2.64 @ 1 %
Serious eye damage/irritation	: Severely irritating to rabbits on ocular application pH: 2.64 @ 1 %
Respiratory or skin sensitization	: Moderate contact dermal sensitizer in mice by local lymph node assay (LLNA)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer (Inhalation).
<b>Naphthalene</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
Reproductive toxicity	: Not classified
<b>Mecoprop-p Acid</b>	
NOAEL (animal/male, F0/P)	≈ 2 mg/kg body weight
NOAEL (animal/female, F0/P)	≈ 10 mg/kg body weight
<b>Solvent Naphtha (Petroleum), Heavy Aromatic</b>	
NOAEL (animal/male, F0/P)	35 mg/kg body weight
NOAEL (animal/female, F0/P)	125 mg/kg body weight

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<b>Naphthalene</b>	
LOAEL (animal/female, F0/P)	50 mg/kg body weight
LOAEL (animal/female, F1)	450 mg/kg body weight
NOAEL (animal/female, F0/P)	120 mg/kg body weight
<b>Isoparaffinic Hydrocarbon</b>	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg body weight
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
<b>2-Ethylhexanol</b>	
NOAEL (oral, rat, 90 days)	250 mg/kg body weight
NOAEC (inhalation, rat, gas, 90 days)	120 ppm
<b>2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid</b>	
NOAEL (dermal, rat/rabbit, 90 days)	1000 mg/kg body weight
<b>Mecoprop-p Acid</b>	
NOAEL (dermal, rat/rabbit, 90 days)	1000 mg/kg body weight
<b>Calcium Dodecylbenzene Sulfonate</b>	
LOAEL (oral, rat, 90 days)	200 mg/kg body weight
LOAEL (dermal, rat/rabbit, 90 days)	286 mg/kg body weight
NOAEL (oral, rat, 90 days)	100 mg/kg body weight
NOAEL (dermal, rat/rabbit, 90 days)	< 286 mg/kg body weight
<b>Dipropylene glycol monomethyl ether</b>	
NOAEL (oral, rat, 90 days)	1000 mg/kg body weight
<b>Solvent Naphtha (Petroleum), Heavy Aromatic</b>	
LOAEC (inhalation, rat, vapor, 90 days)	4.71 mg/l air
NOAEC (inhalation, rat, vapor, 90 days)	2.355 mg/l air
<b>Naphthalene</b>	
LOAEL (oral, rat, 90 days)	400 mg/kg body weight
LOAEC (inhalation, rat, vapor, 90 days)	0.011 mg/l air
NOAEL (oral, rat, 90 days)	200 mg/kg body weight
NOAEL (dermal, rat/rabbit, 90 days)	1000 mg/kg body weight
<b>Isoparaffinic Hydrocarbon</b>	
NOAEL (oral, rat, 90 days)	750 mg/kg body weight
NOAEL (dermal, rat/rabbit, 90 days)	≥ 495 mg/kg body weight
Aspiration hazard	: May be fatal if swallowed and enters airways.
<b>NFA - 0140203 Herbicide</b>	
Viscosity, kinematic	7.022 mm <sup>2</sup> /s @ 40 °C / 104 °F; 14.867 cSt @ 20 °C / 68 °F

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<b>2-Ethylhexanol</b>	
Viscosity, kinematic	No data available
<b>2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid</b>	
Viscosity, kinematic	No data available
<b>Mecoprop-p Acid</b>	
Viscosity, kinematic	No data available
<b>Triclopyr Butoxyethyl Ester</b>	
Viscosity, kinematic	No data available
<b>Calcium Dodecylbenzene Sulfonate</b>	
Viscosity, kinematic	No data available
<b>Dipropylene glycol monomethyl ether</b>	
Viscosity, kinematic	No data available
<b>Solvent Naphtha (Petroleum), Heavy Aromatic</b>	
Viscosity, kinematic	No data available
<b>1-Methylnaphthalene</b>	
Viscosity, kinematic	No data available
<b>2-Methylnaphthalene</b>	
Viscosity, kinematic	No data available
<b>Naphthalene</b>	
Viscosity, kinematic	No data available
<b>Isoparaffinic Hydrocarbon</b>	
Viscosity, kinematic	No data available
Symptoms/effects after inhalation	: Aspiration of the product into the lungs may cause very serious pneumonia.
Symptoms/effects after skin contact	: May cause irritation to skin. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation. Redness, itching, tears.
Symptoms/effects after ingestion	: During vomiting high danger of aspiration. Risk of lung edema.
Most Important Symptoms/Effects	: Risk of product entering the lungs on vomiting after ingestion.
Chronic symptoms	: Prolonged and frequent exposure through inhalation may cause cancer.

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Ecology - general	: Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects

<b>2-Ethylhexanol</b>	
LC50 - Fish [1]	17.1 mg/l
EC50 - Crustacea [1]	39 mg/l
LC50 - Fish [2]	28.2 mg/l
EC50 72h - Algae [1]	11.5 mg/l

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2-Ethylhexanol	
EC50 72h - Algae [2]	16.6 mg/l
2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid	
LC50 - Fish [1]	> 0.328 mg/l
EC50 - Other aquatic organisms [1]	> 0.437 mg/l
LC50 - Fish [2]	> 0.283 mg/l
LOEC (chronic)	> 100 mg/l
NOEC (chronic)	> 100 mg/l
NOEC chronic fish	≥ 10 mg/l
Mecoprop-p Acid	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 91 mg/l
LC50 - Fish [2]	150 – 220 mg/l
EC50 72h - Algae [1]	> 729 mg/l
EC50 72h - Algae [2]	270 mg/l
LOEC (chronic)	100 mg/l
NOEC (chronic)	50 mg/l
NOEC chronic fish	11.2 mg/l
Triclopyr Butoxyethyl Ester	
LC50 - Fish [1]	0.36 mg/l
EC50 - Crustacea [1]	0.34 mg/l
LC50 - Fish [2]	0.98 mg/l
Calcium Dodecylbenzene Sulfonate	
LC50 - Fish [1]	1.74 mg/l
EC50 96h - Algae [1]	2.736 mg/l
NOEC (chronic)	0.253 mg/l
NOEC chronic fish	0.23 mg/l
Dipropylene glycol monomethyl ether	
LC50 - Fish [1]	> 1000 mg/l
EC50 - Other aquatic organisms [1]	1930 mg/l
EC50 72h - Algae [1]	> 969 mg/l
EC50 96h - Algae [1]	> 969 mg/l
LOEC (chronic)	0.5 mg/l
NOEC (chronic)	≥ 0.5 mg/l
Solvent Naphtha (Petroleum), Heavy Aromatic	
LC50 - Fish [1]	0.58 mg/l
EC50 - Crustacea [1]	0.76 mg/l

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<b>Solvent Naphtha (Petroleum), Heavy Aromatic</b>	
EC50 - Other aquatic organisms [1]	2.9 mg/l
LC50 - Fish [2]	6.1 mg/l
<b>1-Methylnaphthalene</b>	
LC50 - Fish [1]	9 mg/l
EC50 - Crustacea [1]	8.2 mg/l
<b>2-Methylnaphthalene</b>	
LC50 - Fish [1]	1.46 mg/l
EC50 - Crustacea [1]	1.4 – 5 mg/l
<b>Naphthalene</b>	
EC50 - Crustacea [1]	2.16 mg/l
NOEC (chronic)	0.59 mg/l

### 12.2. Persistence and degradability

<b>NFA - 0140203 Herbicide</b>	
Persistence and degradability	Not rapidly degradable
<b>2-Ethylhexanol</b>	
Persistence and degradability	Not rapidly degradable
<b>2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid</b>	
Persistence and degradability	Rapidly degradable
<b>Mecoprop-p Acid</b>	
Persistence and degradability	Not rapidly degradable
<b>Triclopyr Butoxyethyl Ester</b>	
Persistence and degradability	Not rapidly degradable
<b>Calcium Dodecylbenzene Sulfonate</b>	
Persistence and degradability	Not rapidly degradable
<b>Dipropylene glycol monomethyl ether</b>	
Persistence and degradability	Not rapidly degradable
<b>Solvent Naphtha (Petroleum), Heavy Aromatic</b>	
Persistence and degradability	% biodegradation 28 days.
<b>1-Methylnaphthalene</b>	
Persistence and degradability	Not rapidly degradable
<b>2-Methylnaphthalene</b>	
Persistence and degradability	Not rapidly degradable
<b>Naphthalene</b>	
Persistence and degradability	Not rapidly degradable

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Isoparaffinic Hydrocarbon	
Persistence and degradability	Not rapidly degradable

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

## SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
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	: Disposal must be done according to official regulations. Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

## SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
<b>14.1. UN number</b>		
NA1993	3082	3082
<b>14.2. Proper Shipping Name</b>		
Combustible liquid, n.o.s. (Dipropylene glycol monomethyl ether)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid and Triclopyr Butoxyethyl Ester)	Environmentally hazardous substance, liquid, n.o.s. (2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid and Triclopyr Butoxyethyl Ester)
<b>14.3. Transport hazard class(es)</b>		
Combustible liquid	9	9
<b>14.4. Packing group</b>		
III	III	III
<b>14.5. Environmental hazards</b>		
	Marine pollutant: Yes	
No supplementary information available		

### 14.6. Transport in bulk

Not applicable

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### 14.7. Special precautions for user

<b>DOT</b>		
UN-No.(DOT)	:	NA1993
DOT Packaging Exceptions (49 CFR 173.xxx)	:	150
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	203
DOT Packaging Bulk (49 CFR 173.xxx)	:	241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	220 L
DOT Vessel Stowage Location	:	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

### IMDG

Special provision (IMDG)	:	274, 335, 969
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	LP01, P001
Packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1, TP29
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG)	:	A

### IATA

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y964
PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	964
PCA max net quantity (IATA)	:	450L
CAO packing instructions (IATA)	:	964
CAO max net quantity (IATA)	:	450L
ERG code (IATA)	:	9L

## SECTION 15 Regulatory information

### 15.1. Federal regulations

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

2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid	CAS-No. 29450-45-1	27.62 – 29.32%
Mecoprop-P and its salts, (R)-2-(4-chloro-2-methylphenoxy)propionic acid	CAS-No. 16484-77-8	5.21 – 5.75%
Triclopyr Butoxyethyl Ester	CAS-No. 64700-56-7	4.02 – 4.44%
Soprophor BSU	CAS-No. 99734-09-5	3.8 – 4.2%

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.

(4-chloro-2-methylphenoxy)acetic acid	CAS-No. 94-74-6	< 0.586%
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Naphthalene	CAS-No. 91-20-3	< 0.137%
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<b>Calcium Dodecylbenzene Sulfonate (26264-06-2)</b>		
CERCLA RQ	1000 lb	

<b>Naphthalene (91-20-3)</b>		
Listed on EPA Hazardous Air Pollutant (HAPS)		
CERCLA RQ	100 lb	

### 15.2. International regulations

#### CANADA

<b>2-Ethylhexanol (104-76-7)</b>		
Listed on the Canadian DSL (Domestic Substances List)		

<b>2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid (29450-45-1)</b>		
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)		

<b>Mecoprop-p Acid (16484-77-8)</b>		
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)		

<b>Calcium Dodecylbenzene Sulfonate (26264-06-2)</b>		
Listed on the Canadian DSL (Domestic Substances List)		

<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>		
Listed on the Canadian DSL (Domestic Substances List)		

<b>Solvent Naptha (Petroleum), Heavy Aromatic (64742-94-5)</b>		
Listed on the Canadian DSL (Domestic Substances List)		

<b>1-Methylnaphthalene (90-12-0)</b>		
Listed on the Canadian DSL (Domestic Substances List)		

<b>2-Methylnaphthalene (91-57-6)</b>		
Listed on the Canadian DSL (Domestic Substances List)		

<b>Naphthalene (91-20-3)</b>		
Listed on the Canadian DSL (Domestic Substances List)		

<b>Isoparaffinic Hydrocarbon (64742-47-8)</b>		
Listed on the Canadian DSL (Domestic Substances List)		

#### EU-Regulations

No additional information available

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### National regulations

#### 2-Ethylhexanol (104-76-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Calcium Dodecylbenzene Sulfonate (26264-06-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Dipropylene glycol monomethyl ether (34590-94-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Solvent Naphtha (Petroleum), Heavy Aromatic (64742-94-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### 2-Methylnaphthalene (91-57-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Naphthalene (91-20-3)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Isoparaffinic Hydrocarbon (64742-47-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. State regulations

 **WARNING:** This product can expose you to Naphthalene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date : 1/28/2025

### Full text of hazard classes and H-statements

H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life

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<b>Full text of hazard classes and H-statements</b>	
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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.