



**SAFETY DATA SHEET**  
**Sample G**  
 according to Regulation (EC) No. 2015/830

Revision Date: 04-Oct-2019  
 Preparation Date 04-Oct-2019

Revision Number: 3  
 Internal ID Code 000048

**2.1. Classification of the substance or mixture**  
**Regulation (EC) No 1272/2008**

Aspiration Toxicity	Category 1 - H304
Serious Eye Damage/Irritation	Category 1 - H318
Carcinogenicity	Category 2 - H351
Chronic Aquatic Toxicity	Category 2 - H411
Flammable liquids.	Category 2 - H225

**2.2. Label Elements**

**Hazard Pictograms**



**Signal Word:** **Danger**

**Hazard Statements:**

H225 - Highly flammable liquid and vapor  
 H304 - May be fatal if swallowed and enters airways  
 H318 - Causes serious eye damage  
 H351 - Suspected of causing cancer  
 H411 - Toxic to aquatic life with long lasting effects

**Precautionary Statements:**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 P308 + P313 - IF exposed or concerned: Get medical advice/attention  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

**Contains**

**Substances**

	<b>CAS Number</b>
Ethanol	64-17-5
Heavy aromatic petroleum naphtha	64742-94-5
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0
Naphthalene	91-20-3
1,2,4 Trimethylbenzene	95-63-6

**2.3. Other Hazards**

None known

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

**3.2. Mixtures**

Mixture

Substances	EINECS	CAS Number	PERCENT (w/w)	EU - CLP Substance Classification	REACH Reg. No
Ethanol	200-578-6	64-17-5	30 - 60%	Flam. Liq. 2 (H225)	No data available
Heavy aromatic petroleum naphtha	918-811-1	64742-94-5	10 - 30%	Asp. Tox. 1 (H304) STOT SE 3 (H336) Aquatic Chronic 2 (H411)	No data available
Poly(oxy-1,2-ethanediyl),	500-315-8	127087-87-0	1 - 5%	Acute Tox. 4 (H302)	No data available

# SAFETY DATA SHEET

## Sample G

according to Regulation (EC) No. 2015/830

Revision Date: 04-Oct-2019  
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Internal ID Code 000048

alpha-(4-nonylphenyl)-omega-hydroxy-, branched				Eye Dam. 2 (H319) Aquatic Chronic 3 (H412)	
Naphthalene	202-049-5	91-20-3	1 - 5%	Acute Tox. 4 (H302) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
1,2,4 Trimethylbenzene	202-436-9	95-63-6	0.1 - 1%	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)	No data available

For the full text of the H-phrases mentioned in this Section, see Section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Inhalation** If inhaled, move victim to fresh air and seek medical attention.  
**Eyes** Immediately flush eyes with large amounts of water for at least 30 minutes. Seek prompt medical attention.  
**Skin** Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation persists.  
**Ingestion** Do NOT induce vomiting. Give nothing by mouth. Obtain immediate medical attention.

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

Causes severe eye irritation which may damage tissue. Causes mild skin irritation. Potential carcinogen.

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

**Notes to Physician** Treat symptomatically

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable Extinguishing Media**

Water fog, carbon dioxide, foam, dry chemical.

##### **Extinguishing media which must not be used for safety reasons**

None known.

#### 5.2. Special hazards arising from the substance or mixture

##### **Special exposure hazards in a fire**

Use water spray to cool fire exposed surfaces. Closed containers may explode in fire. Decomposition in fire may produce harmful gases.

#### 5.3. Advice for firefighters

##### **Special protective equipment for firefighters**

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

### SECTION 6: Accidental release measures

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

Use appropriate protective equipment. Wear self-contained breathing apparatus in enclosed areas. See Section 8 for additional information

#### 6.2. Environmental precautions

# SAFETY DATA SHEET

## Sample G

according to Regulation (EC) No. 2015/830

Revision Date: 04-Oct-2019  
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Prevent from entering sewers, waterways, or low areas.

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

Remove ignition sources and work with non-sparking tools. Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

### 6.4. Reference to other sections

See Section 8 and 13 for additional information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Avoid breathing mist. Wash hands after use. Launder contaminated clothing before reuse. Ground and bond containers when transferring from one container to another.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

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

Keep from heat, sparks, and open flames. Keep container closed when not in use. Store in a cool well ventilated area. Product has a shelf life of 24 months.

### 7.3. Specific end use(s)

**Exposure scenario** No information available

**Other Guidelines** No information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

Substances	CAS Number	EU	UK	Netherlands	France
Ethanol	64-17-5	Not applicable	TWA: 1000 ppm TWA: 1920 mg/m <sup>3</sup> STEL: 3000 ppm STEL: 5760 mg/m <sup>3</sup>	TWA: 260 mg/m <sup>3</sup> STEL: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 5000 ppm STEL: 9500 mg/m <sup>3</sup>
Heavy aromatic petroleum naphtha	64742-94-5	Not applicable	Not applicable	Not applicable	Not applicable
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	Not applicable	Not applicable	Not applicable	Not applicable
Naphthalene	91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	Not applicable	TWA: 50 mg/m <sup>3</sup> STEL: 80 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene	95-63-6	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	Not applicable	TWA: 100 mg/m <sup>3</sup> STEL: 200 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> STEL: 50 ppm STEL: 250 mg/m <sup>3</sup>

Substances	CAS Number	Germany	Spain	Portugal	Finland
Ethanol	64-17-5	TWA: 200 ppm TWA: 380 mg/m <sup>3</sup>  Peak: 800 ppm Peak: 1520 mg/m <sup>3</sup>	1000 ppm STEL [VLA-EC]; 1910 mg/m <sup>3</sup> STEL [VLA-EC]	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 1300 ppm STEL: 2500 mg/m <sup>3</sup>
Heavy aromatic petroleum naphtha	64742-94-5	Not applicable	Not applicable	Not applicable	Not applicable
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	Not applicable	Not applicable	Not applicable	Not applicable
Naphthalene	91-20-3	TWA: 0.4 ppm TWA: 2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 53 mg/m <sup>3</sup> 15 ppm STEL [VLA-EC]; 80 mg/m <sup>3</sup> STEL [VLA-EC]	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> STEL: 15 ppm	TWA: 1 ppm TWA: 5 mg/m <sup>3</sup> STEL: 2 ppm STEL: 10 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene	95-63-6	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>

**SAFETY DATA SHEET**  
**Sample G**  
according to Regulation (EC) No. 2015/830

Revision Date: 04-Oct-2019  
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Revision Number: 3  
Internal ID Code 000048

		Peak: 40 ppm Peak: 200 mg/m <sup>3</sup>			
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Substances	CAS Number	Austria	Ireland	Switzerland	Norway
Ethanol	64-17-5	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL" 2000 ppm STEL" 3800 mg/m <sup>3</sup>	1000 ppm STEL	TWA: 500 ppm TWA: 960 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 1920 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 950 mg/m <sup>3</sup> STEL: 625 ppm STEL: 1187.5 mg/m <sup>3</sup>
Heavy aromatic petroleum naphtha	64742-94-5	Not applicable	Not applicable	Not applicable	Not applicable
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	Not applicable	Not applicable	Not applicable	Not applicable
Naphthalene	91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	10 ppm TWA; 50 mg/m <sup>3</sup> TWA 30 ppm STEL (calculated); 150 mg/m <sup>3</sup> STEL (calculated)	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> STEL: 15 ppm STEL: 75 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene	95-63-6	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> STEL" 30 ppm STEL" 150 mg/m <sup>3</sup>	20 ppm TWA; 100 mg/m <sup>3</sup> TWA 60 ppm STEL (calculated); 300 mg/m <sup>3</sup> STEL (calculated)	Not applicable	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> STEL: 30 ppm STEL: 125 mg/m <sup>3</sup>

Substances	CAS Number	Italy	Poland	Hungary	Czech Republic
Ethanol	64-17-5	Not applicable	TWA: 1900 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup> STEL: 7600 mg/m <sup>3</sup>	TWA: 1000 mg/m <sup>3</sup>
Heavy aromatic petroleum naphtha	64742-94-5	Not applicable	Not applicable	Not applicable	Not applicable
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	Not applicable	Not applicable	Not applicable	Not applicable
Naphthalene	91-20-3	Not applicable	TWA: 20 mg/m <sup>3</sup> STEL: 50 mg/m <sup>3</sup>	TWA: 50 mg/m <sup>3</sup>	TWA: 50 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene	95-63-6	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	TWA: 100 mg/m <sup>3</sup> STEL: 170 mg/m <sup>3</sup>	TWA: 100 mg/m <sup>3</sup>	TWA: 100 mg/m <sup>3</sup>

Substances	CAS Number	Denmark	Romania	Croatia	Cyprus
Ethanol	64-17-5	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 5000 ppm STEL: 9500 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	Not applicable
Heavy aromatic petroleum naphtha	64742-94-5	Not applicable	Not applicable	Not applicable	Not applicable
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	Not applicable	Not applicable	Not applicable	Not applicable
Naphthalene	91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene	95-63-6	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>

Substances	CAS Number	Bulgaria	Turkey
Ethanol	64-17-5	TWA: 1000 mg/m <sup>3</sup>	Not applicable
Naphthalene	91-20-3	TWA: 50.0 mg/m <sup>3</sup> STEL: 75.0 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene	95-63-6	TWA: 20 ppm TWA: 100.0 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>

Component	European Union	United Kingdom	France	Spain	Germany
1,2,4 Trimethylbenzene 95-63-6 ( 0.1 - 1% )			600 mg/g creatinine urine		400 mg/g Creatinine urine

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Revision Date: 04-Oct-2019  
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**Derived No Effect Level (DNEL)**  
Worker No information available

**General Population**

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering Controls** Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

**Personal protective equipment** If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.

**Respiratory Protection** If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, AS/NZS 1715:2009, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional. Organic vapor respirator.

**Hand Protection** Butyl rubber gloves. Neoprene gloves.  
**Skin Protection** Rubber apron.  
**Eye Protection** Chemical goggles; also wear a face shield if splashing hazard exists.  
**Other Precautions** Eyewash fountains and safety showers must be easily accessible.

**Environmental Exposure Controls** No information available

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Physical State:** Liquid **Color:** Amber  
**Odor:** Alcohol **Odor Threshold:** No information available

<u>Property</u>	<u>Values</u>
<u>Remarks/ - Method</u>	
<b>pH:</b>	7
<b>Freezing Point / Range</b>	-60.51 °C
<b>Melting Point / Range</b>	No data available
<b>Pour Point / Range</b>	No data available
<b>Boiling Point / Range</b>	78.4 °C / 173.1 °F
<b>Flash Point</b>	13 °C / 55.3 °F (PMCC)
<b>Flammability (solid, gas)</b>	No data available
<b>Upper flammability limit</b>	19%
<b>Lower flammability limit</b>	3.3%
<b>Evaporation rate</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Specific Gravity</b>	0.911
<b>Water Solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available

**9.2. Other information**

**VOC Content (%)** No data available

# SAFETY DATA SHEET

## Sample G

according to Regulation (EC) No. 2015/830

Revision Date: 04-Oct-2019  
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Not expected to be reactive.

#### 10.2. Chemical stability

Stable

#### 10.3. Possibility of hazardous reactions

Will Not Occur

#### 10.4. Conditions to avoid

Keep away from heat, sparks and flame.

#### 10.5. Incompatible materials

Strong oxidizers.

#### 10.6. Hazardous decomposition products

Oxides of nitrogen. Carbon monoxide and carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute Toxicity

###### Inhalation

May cause respiratory irritation. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

###### Eye Contact

Causes severe eye irritation which may damage tissue.

###### Skin Contact

Causes mild skin irritation.

###### Ingestion

Irritation of the mouth, throat, and stomach. May cause abdominal pain, vomiting, nausea, and diarrhea.

##### Chronic Effects/Carcinogenicity

The International Agency for Research on Cancer (IARC) has evaluated naphthalene and determined it to be a possible carcinogen to humans (Group 2B, based on sufficient evidence in experimental animals and inadequate evidence in humans).

#### Toxicology data for the components

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol	64-17-5	7060 mg/kg (Rat) 10,470 mg/kg (Rat)	> 15,800 mg/kg (Rabbit) 17,100 mg/kg (Rabbit)	124.7 mg/L (Rat) 4h
Heavy aromatic petroleum naphtha	64742-94-5	>5000 mg/kg-bw (rat)	>2000 mg/kg-bw (rabbit)	> 4.778 mg/L (rat, 4 h, vapour, saturated)
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-ome ga-hydroxy-, branched	127087-87-0	2000 - 5000 mg/kg (Rat) (Similar substance)	> 2000 mg/kg (Rabbit) (similar substance)	No data available
Naphthalene	91-20-3	490 mg/kg (Rat) 1110 mg/kg (Rat)	1120 mg/kg (Rabbit) 20 g/kg (Rabbit)	340 mg/m <sup>3</sup> ( Rat ) 1 h
1,2,4 Trimethylbenzene	95-63-6	3415 mg/kg-bw (rat)	>3440 mg/kg-bw (rat) (similar substance)	>10.2 mg/L (rat, 4 h, aerosol) (similar substance)

Substances	CAS Number	Skin corrosion/irritation
Ethanol	64-17-5	Not irritating to skin in rabbits.
Heavy aromatic petroleum naphtha	64742-94-5	Non-irritating to the skin (Rabbit) (similar substances)
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-ome ga-hydroxy-, branched	127087-87-0	Causes moderate skin irritation. (Rabbit)
Naphthalene	91-20-3	Non-irritating to the skin (Rabbit)
1,2,4 Trimethylbenzene	95-63-6	Irritating to skin. (Rabbit) Causes moderate skin irritation. (similar substances)

Substances	CAS Number	Serious eye damage/irritation
Ethanol	64-17-5	Causes moderate eye irritation (Rabbit)
Heavy aromatic petroleum	64742-94-5	Non-irritating to rabbit's eye (similar substances)

**SAFETY DATA SHEET**  
**Sample G**  
**according to Regulation (EC) No. 2015/830**

Revision Date: 04-Oct-2019  
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Revision Number: 3  
 Internal ID Code 000048

naphtha		
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-ome ga-hydroxy-, branched	127087-87-0	Causes severe eye irritation which may damage tissue. (Rabbit)
Naphthalene	91-20-3	May cause mechanical irritation to eye. (human) Non-irritating to rabbit's eye
1,2,4 Trimethylbenzene	95-63-6	Irritating to eyes (Rabbit) May cause moderate eye irritation.

Substances	CAS Number	Skin Sensitization
Ethanol	64-17-5	Did not cause sensitization on laboratory animals
Heavy aromatic petroleum naphtha	64742-94-5	Patch test on human volunteers did not demonstrate sensitization properties Did not cause sensitization on laboratory animals (guinea pig) (similar substances)
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-ome ga-hydroxy-, branched	127087-87-0	Patch test on human volunteers did not demonstrate sensitization properties
Naphthalene	91-20-3	Did not cause sensitization on laboratory animals (guinea pig)
1,2,4 Trimethylbenzene	95-63-6	Did not cause sensitization on laboratory animals (guinea pig) (similar substances)

Substances	CAS Number	Respiratory Sensitization
Ethanol	64-17-5	Did not cause sensitization on laboratory animals
Heavy aromatic petroleum naphtha	64742-94-5	No information available
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-ome ga-hydroxy-, branched	127087-87-0	No information available
Naphthalene	91-20-3	No information available
1,2,4 Trimethylbenzene	95-63-6	No information available

Substances	CAS Number	Mutagenic Effects
Ethanol	64-17-5	Not regarded as mutagenic.
Heavy aromatic petroleum naphtha	64742-94-5	In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects. (similar substances)
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-ome ga-hydroxy-, branched	127087-87-0	In vitro tests did not show mutagenic effects (similar substances)
Naphthalene	91-20-3	In vitro tests did not show mutagenic effects.
1,2,4 Trimethylbenzene	95-63-6	In vivo tests did not show mutagenic effects. In vitro tests did not show mutagenic effects

Substances	CAS Number	Carcinogenic Effects
Ethanol	64-17-5	Did not show carcinogenic effects in animal experiments
Heavy aromatic petroleum naphtha	64742-94-5	Did not show carcinogenic effects in animal experiments (similar substances) Not regarded as carcinogenic.
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-ome ga-hydroxy-, branched	127087-87-0	Did not show carcinogenic or teratogenic effects in animal experiments (similar substances)
Naphthalene	91-20-3	Substances which should be regarded as if they are carcinogenic to man
1,2,4 Trimethylbenzene	95-63-6	No information available

Substances	CAS Number	Reproductive toxicity
Ethanol	64-17-5	Animal testing did not show any effects on fertility.
Heavy aromatic petroleum naphtha	64742-94-5	Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments. (similar substances)
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-ome ga-hydroxy-, branched	127087-87-0	Not a confirmed teratogen or embryotoxin. (similar substances)
Naphthalene	91-20-3	Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.
1,2,4 Trimethylbenzene	95-63-6	No significant toxicity observed in animal studies at concentration requiring classification. (similar substances) Adverse developmental effects were only observed at maternally toxic doses.

Substances	CAS Number	STOT - single exposure
Ethanol	64-17-5	No significant toxicity observed in animal studies at concentration requiring classification.



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Revision Date: 04-Oct-2019  
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Heavy aromatic petroleum naphtha	64742-94-5	May cause headache, dizziness, and other central nervous system effects.
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	May cause disorder and damage to the Central Nervous System (CNS)
Naphthalene	91-20-3	No data of sufficient quality are available.
1,2,4 Trimethylbenzene	95-63-6	May cause respiratory irritation. No information available

Substances	CAS Number	STOT - repeated exposure
Ethanol	64-17-5	No significant toxicity observed in animal studies at concentration requiring classification.
Heavy aromatic petroleum naphtha	64742-94-5	No significant toxicity observed in animal studies at concentration requiring classification.
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	No significant toxicity observed in animal studies at concentration requiring classification.
Naphthalene	91-20-3	No significant toxicity observed in animal studies at concentration requiring classification.
1,2,4 Trimethylbenzene	95-63-6	Causes damage to organs through prolonged or repeated exposure if inhaled: (Hematopoietic System) Central Nervous System (CNS) (Central nervous system)

Substances	CAS Number	Aspiration hazard
Ethanol	64-17-5	Not applicable
Heavy aromatic petroleum naphtha	64742-94-5	Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	Not applicable
Naphthalene	91-20-3	No information available
1,2,4 Trimethylbenzene	95-63-6	Risk of serious damage to the lungs (by aspiration) Aspiration can be a hazard if this material is swallowed.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Ethanol	64-17-5	No information available	LC50 > 100 mg/L (Pimephales promelas)	No information available	LC50 9268 - 14,221 mg/L (Daphnia magna) LC50 5012 mg/L (Ceriodaphnia dubia) NOEC 9.6 mg/L (Daphnia magna)
Heavy aromatic petroleum naphtha	64742-94-5	EC50 (72h) 7.8 mg/L (Pseudokirchneriella subcapitata)	LL50 (96 h) =3.6 mg/L (Orcorhynchus mykiss) LC50 (96 h) =357.7 mg/L (Scophthalmus maximus)	No information available	EL50 (48h) 1.1 mg/L (Daphnia magna) (similar substance)
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	EC50 (72h) > 3 mg/L (Pseudokirchnerella subcapitata) (similar substance)	LC50 (96h) 0.323 mg/L (Pimephales promelas) (similar substance)	EC50 (3h) 104 mg/L (Activated sludge) (similar substance)	LC50 (48h) 0.148 mg/L (Daphnia magna) (similar substance) NOEC (21d) 0.1 mg/L (Daphnia magna) (similar substance)
Naphthalene	91-20-3	EC50 (72 h) =0.4 mg/L (Skeletonema costatum)	LC50 (96 h) =1.6 mg/L (Oncorhynchus mykiss) NOAEC (40 d) =0.37 mg/L (Oncorhynchus kisutch)	IC50 (24 h) =29 mg/L (Nitrosomonas sp.)	EC50 (48 h) =2.16 mg/L (Daphnia magna) NOAEC (125 d) =0.59 mg/L (Daphnia pulex)
1,2,4 Trimethylbenzene	95-63-6	No information available	LC50 (96 h) 7.72 mg/L (Pimephales promelas)	No information available	LC50 (48 h) 3.6 mg/L (Daphnia magna) Chronic Value (ChV) (16 d) 0.367 mg/L (Daphnia sp.)

**SAFETY DATA SHEET**  
**Sample G**  
according to Regulation (EC) No. 2015/830

Revision Date: 04-Oct-2019  
Preparation Date 04-Oct-2019

Revision Number: 3  
Internal ID Code 000048

**12.2. Persistence and degradability**

Substances	CAS Number	Persistence and Degradability
Ethanol	64-17-5	No information available
Heavy aromatic petroleum naphtha	64742-94-5	Readily biodegradable (58% @ 28d)
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	Readily biodegradable (81% @ 28d) (similar substances)
Naphthalene	91-20-3	Readily biodegradable (100% @ 7d)
1,2,4 Trimethylbenzene	95-63-6	Readily biodegradable

**12.3. Bioaccumulative potential**

Substances	CAS Number	Bioaccumulation
Ethanol	64-17-5	-0.32
Heavy aromatic petroleum naphtha	64742-94-5	LogPow 5.2
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	3.59-4.24
Naphthalene	91-20-3	LogPow 3.3
1,2,4 Trimethylbenzene	95-63-6	LogPow 3.42

**12.4. Mobility in soil**

Substances	CAS Number	Mobility
Ethanol	64-17-5	No information available
Heavy aromatic petroleum naphtha	64742-94-5	No information available
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	No information available
Naphthalene	91-20-3	No information available
1,2,4 Trimethylbenzene	95-63-6	No information available

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

Substances	PBT and vPvB assessment
Ethanol	Not PBT/vPvB
Heavy aromatic petroleum naphtha	Not PBT/vPvB
Naphthalene	Not PBT/vPvB
1,2,4 Trimethylbenzene	Not PBT/vPvB

**12.6. Other adverse effects**

**Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal methods**  
**Contaminated Packaging**

Disposal should be made in accordance with federal, state, and local regulations.  
Follow all applicable national or local regulations.

**SECTION 14: Transport information**

**IMDG/IMO**

**UN Number:** UN1993  
**UN proper shipping name:** Flammable Liquid, N.O.S. (Contains Ethanol, Heavy Aromatic Naphtha)  
**Transport Hazard Class(es):** 3,  
**Packing Group:** II  
**Environmental Hazards:** Marine Pollutant (Naphthalene, Nonylphenol)

# SAFETY DATA SHEET

## Sample G

according to Regulation (EC) No. 2015/830

Revision Date: 04-Oct-2019  
Preparation Date 04-Oct-2019

Revision Number: 3  
Internal ID Code 000048

### ADN

**UN Number** UN1993  
**UN proper shipping name:** Flammable Liquid, N.O.S. (Contains Ethanol, Heavy Aromatic Naphtha)  
**Transport Hazard Class(es):** 9 3  
**Packing Group** II  
**Environmental Hazards:** Marine Pollutant

### ADR/RID

**UN Number** UN1993  
**UN proper shipping name:** Flammable Liquid, N.O.S. (Contains Ethanol, Heavy Aromatic Naphtha)  
**Transport Hazard Class(es):** 9 3  
**Packing Group** II  
**Environmental Hazards:** Marine Pollutant

### IATA/ICAO

**UN Number** UN1993  
**UN proper shipping name:** Flammable Liquid, N.O.S. (Contains Ethanol, Heavy Aromatic Naphtha)  
**Transport Hazard Class(es):** 3,  
**Packing Group:** II  
**Environmental Hazards:** Marine Pollutant (Naphthalene, Nonylphenol)

**14.1. UN Number** UN1993

**14.2. UN proper shipping name:** Flammable Liquid, N.O.S. (Contains Ethanol, Heavy Aromatic Naphtha)

**14.3. Transport Hazard Class(es):** 9 3

**14.4. Packing Group** II

**14.5. Environmental Hazards:** Marine Pollutant

**14.6. Special Precautions for User** None

**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

#### International Inventories

**US TSCA Inventory** All components listed on inventory or are exempt.

**Canadian Domestic Substances List (DSL)** All components listed on inventory or are exempt.

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**Germany, Water Endangering** WGK 2: Hazard to waters.

#### Classes (WGK)

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

Substances	CAS Number	Seveso III	TA LUFT
Ethanol	64-17-5	Not applicable	Not applicable
Heavy aromatic petroleum naphtha	64742-94-5	Not applicable	Not applicable
Poly(oxy-1,2-ethanediyl),	127087-87-0	Not applicable	Not applicable

# SAFETY DATA SHEET

## Sample G

according to Regulation (EC) No. 2015/830

Revision Date: 04-Oct-2019  
Preparation Date 04-Oct-2019

Revision Number: 3  
Internal ID Code 000048

alpha-(4-nonylphenyl)-omega-hydroxy-, branched			
Naphthalene	91-20-3	Not applicable	Not applicable
1,2,4 Trimethylbenzene	95-63-6	Not applicable	Not applicable

Substances	CAS Number	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization
Ethanol	64-17-5	Not applicable	Not applicable
Heavy aromatic petroleum naphtha	64742-94-5	Not applicable	Not applicable
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydr oxy-, branched	127087-87-0	Not applicable	Endocrine disrupting properties (Article 57(f) - environment): None
Naphthalene	91-20-3	Not applicable	Not applicable
1,2,4 Trimethylbenzene	95-63-6	Not applicable	Not applicable

### 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3

H225 - Highly flammable liquid and vapor  
H226 - Flammable liquid and vapor  
H302 - Harmful if swallowed  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H351 - Suspected of causing cancer  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H411 - Toxic to aquatic life with long lasting effects  
H412 - Harmful to aquatic life with long lasting effects

### Key or legend to abbreviations and acronyms used in the safety data sheet

bw – body weight  
CAS – Chemical Abstracts Service  
CLP – REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on Classification, Labelling and Packaging of substances and mixtures  
EC – European Commission  
EC10 – Effective Concentration 10%  
EC50 – Effective Concentration 50%  
EEC – European Economic Community  
ErC50 – Effective Concentration growth rate 50%  
IBC Code – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
LC50 – Lethal Concentration 50%  
LD50 – Lethal Dose 50%  
LL0 – Lethal Loading 0%  
LL50 – Lethal Loading 50%  
MARPOL – International Convention for the Prevention of Pollution from Ships  
mg/kg – milligram/kilogram  
mg/L – milligram/liter  
NIOSH – National Institute for Occupational Safety and Health  
NOEC – No Observed Effect Concentration  
NTP – National Toxicology Program  
OEL – Occupational Exposure Limit  
PBT – Persistent Bioaccumulative and Toxic

**SAFETY DATA SHEET**  
**Sample G**  
according to Regulation (EC) No. 2015/830

Revision Date: 04-Oct-2019  
Preparation Date 04-Oct-2019

Revision Number: 3  
Internal ID Code 000048

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PC – Chemical Product category  
PEL – Permissible Exposure Limit  
ppm – parts per million  
PROC – Process category  
REACH – REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals  
STEL – Short Term Exposure Limit  
SU – Sector of Use category

**Key literature references and sources for data**

www.ChemADVISOR.com/  
NZ CCID

**Revision Date:** 02-Mar-2018

**Revision Note**

SDS sections updated:  
2

**This safety data sheet complies with the requirements of Regulation (EC) No. 2015/830**

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**End of Safety Data Sheet**