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#### 1 Identification

- · Product identifier
  - · Trade name: Fuel additive
    - · Part number: -
- Details of the supplier of the safety data sheet
  - · Manufacturer/Supplier:

CPS Products Inc. 1010 East 31st Street Hialeah, Florida 33013 USA Phone: (305) 687- 4121

- · email of person responsible: cs@cpsproducts.com
- · Emergency telephone number:

CHEMTREC International +1 (703) 527-3887 (outside the US), 1-800-424-9300 (in the US) 24 hr

## 2 Hazard(s) identification

#### · Classification of the substance or mixture

Flammable Liquids 3 H226 Flammable liquid and vapor.

Acute Toxicity - Inhalation 4 H332 Harmful if inhaled.

Skin Irrititation 2 H315 Causes skin irritation.

Eye Irritation 2A H319 Causes serious eye irritation.

Sensitization - Skin 1 H317 May cause an allergic skin reaction.
Carcinogenicity 2 H351 Suspected of causing cancer.

Aquatic Acute 2 H401 Toxic to aquatic life.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

#### · Label elements

#### · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms









- · Signal word Warning
- · Hazard-determining components of labeling:

xylene

(R)-p-mentha-1,8-diene

2-butoxyethanol

n,n'-Disalicylidene-1,2-propanediamine

Hazard statements

Flammable liquid and vapor.

Harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing cancer.

Toxic to aquatic life.

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Toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

Obtain special instructions before use.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Avoid breathing dust/fume/gas/mist/vapors/spray

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

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

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

Call a poison center/doctor if you feel unwell.

Store in a well-ventilated place. Keep cool.

Dispose of contents in accordance with local regulations.

#### Other hazards

- · **PBT:** Not applicable.
- · vPvB: Not applicable.

## 3 Composition/information on ingredients

#### · Chemical characterization: Mixtures

· Chemical components:		
1330-20-7	xylene	25-50%
111-76-2	2-butoxyethanol	10-<25%
5989-27-5	(R)-p-mentha-1,8-diene	10-<25%
	4-methylpentan-2-ol	≤10%
61791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkylderivs.	2.5-<3%
	n,n'-Disalicylidene-1,2-propanediamine	1-≤2.5%
64742-47-8	Distillates (petroleum), hydrotreated light	0.1-≤2.5%
91-20-3	naphthalene	0.1-≤2.5%
	Solvent naphtha (petroleum), heavy arom.	0.1-≤2.5%
95-63-6	1,2,4-trimethylbenzene	0.1-<2.5%

<sup>•</sup> Additional information: For the wording of the listed hazard phrases refer to section 16.

## 4 First-aid measures

#### Description of first aid measures

#### After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

#### · After skin contact:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation continues, consult a doctor.

#### · After eye contact:

Rinse cautiously with water. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists.

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- · After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
  - · Most important symptoms and effects, both acute and delayed

May cause eye irritation. Symptons may include discomfort or pain, excessive blinking and tear production, with possible redness and swelling.

Headache

Dizziness

Disorientation

Nausea

May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. Repeated exposure to this material can result in absorption through skin causing significant health hazard.

Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Harmful if swallowed. May be fatal if swallowed and enters airways. Swallowing a small quantity of this material will result in serious health hazard.

Indication of any immediate medical attention and special treatment needed

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

# **5 Fire-fighting measures**

- · Extinguishing media
  - · Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
  - · For safety reasons unsuitable extinguishing agents: Water
- · Special hazards arising from the substance or mixture See section 10 for additional information.
- · Advice for firefighters
  - Protective equipment:

Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Do not use a water jet.

## **6 Accidental release measures**

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:** 

Inform respective authorities in case of seepage into water course or sewage system.

Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

Take precautions to avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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# 7 Handling and storage

- · Handling:
  - Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

- · Conditions for safe storage, including any incompatibilities
  - · Storage:
    - · Requirements to be met by storerooms and receptacles:

See section 10 for incompatible materials.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Protect from heat and direct sunlight.

· Specific end use(s) No further relevant information available.

# 8 Exposure controls/personal protection

· Control parameters		
· Compone	· Components with limit values that require monitoring at the workplace:	
1330-20-7 xy	lene (25-50%)	
PEL (USA)	TWA: 435 mg/m³, 100 ppm	
REL (USA)	STEL: 655 mg/m³, 150 ppm TWA: 435 mg/m³, 100 ppm	
TLV (USA)	STEL: 651 mg/m³, 150 ppm TWA: 434 mg/m³, 100 ppm BEI	
EL (Canada)	STEL: 150 ppm TWA: 100 ppm	
EV (Canada)	STEL: 650 mg/m³, 150 ppm TWA: 435 mg/m³, 100 ppm	
111-76-2 2-bi	utoxyethanol (10-<20%)	
PEL (USA)	TWA: 240 mg/m³, 50 ppm Skin	
REL (USA)	TWA: 24 mg/m³, 5 ppm Skin	
TLV (USA)	TWA: 97 mg/m³, 20 ppm BEI	
EL (Canada)	TWA: 20 ppm	

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	(Contd. of page 4)
EV (Canada)	TWA: 20 ppm
	Skin
108-11-2 4-m	ethylpentan-2-ol (≤10%)
PEL (USA)	TWA: 100 mg/m³, 25 ppm Skin
REL (USA)	STEL: 165 mg/m³, 40 ppm TWA: 100 mg/m³, 25 ppm Skin
TLV (USA)	STEL: 167 mg/m³, 40 ppm TWA: 104 mg/m³, 25 ppm Skin
EL (Canada)	STEL: 40 ppm TWA: 25 ppm Skin
EV (Canada)	STEL: 167 mg/m³, 40 ppm TWA: 104 mg/m³, 25 ppm Skin
64742-47-8 D	istillates (petroleum), hydrotreated light (0.1-≤2.%)
EL (Canada)	TWA: 200 mg/m³ Skin
· Ingi	redients with biological limit values:
1330-20-7 xy	lene (25-50%)
BEI (USA) 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids	
111-76-2 2-b	utoxyethanol (10-<20%)
M Ti P	00 mg/g creatinine edium: urine ime: end of shift arameter: Butoxyacetic acid with hydrolysis

· Additional information: The lists that were valid during the creation were used as basis.

#### · Exposure controls

#### · Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

## · Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:





Chemical resistant protective gloves

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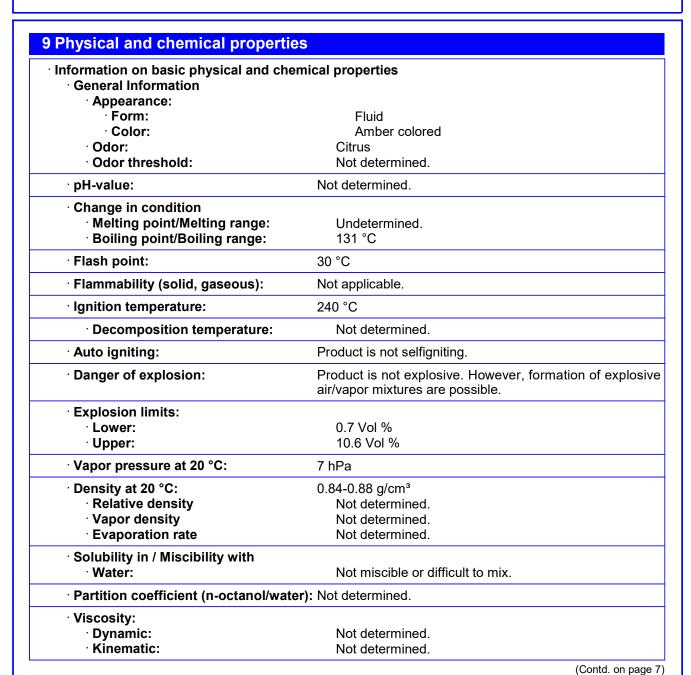
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#### · Eye protection:

faceshield.



Safety glasses. If potential for splash or mist exists, wear chemical goggles or



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· Other information

No further relevant information available.

# 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
  - · Thermal decomposition / conditions to be avoided:

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

- Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid Heat, open flames, sparks.
- Incompatible materials:

Strong Oxidizers, strong acids.

acids

· Hazardous decomposition products:

Nitrogen oxides

Ammonia

May include, and are not limited to: oxides of carbon.

aliphatic alcohols

polyalkylglycols

Propylamine

# 11 Toxicological information

- · Information on toxicological effects

· Acute	toxicity:		
· LD/	· LD/LC50 values that are relevant for classification:		
ATE (Acu	te Toxicity Estima	ate)	
Oral	LD50	1623 mg/kg	
Dermal	LD50	1409 mg/kg	
Inhalative	LC50/4 h (vapor)	12.9 mg/L (rat)	
1330-20-7	xylene		
Oral	LD50	4300 mg/kg (rat)	
Dermal	LD50	2000 mg/kg (rabbit)	
Inhalative	LC50/4 h (vapor)	6700 mg/L (rat)	
111-76-2	2-butoxyethanol		
Oral	LD50	470 mg/kg (rat)	
Dermal	LD50	400 mg/kg (rab)	
	LC50/4 h (vapor)	- , ,	
5989-27-5	(R)-p-mentha-1,8	3-diene	
Oral	LD50	4400 mg/kg (rat)	
Dermal	LD50	>5 g/Kg (rabbit)	
108-11-2	108-11-2 4-methylpentan-2-ol		
Oral	LD50	2590 mg/kg (rat)	
	•	(Contd. on page 8)	

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		(Contd. of page 7
Dermal	LD50	3560 mg/kg (rabbit)
61791-44-	61791-44-4 Ethanol, 2,2'-iminobis-, N-tallow alkylderivs.	
Oral	LD50	500 mg/kg (ATE)
94-91-7 n,	n'-Disalicylidene	-1,2-propanediamine
Oral	LD50	1350 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
91-20-3 na	91-20-3 naphthalene	
Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rat)
95-63-6 1,	95-63-6 1,2,4-trimethylbenzene	
Oral	LD50	5000 mg/kg (rat)
Inhalative	LC50/4 h (vapor)	18 mg/L (rat)

- Primary irritant effect:
  - · on the skin: Irritant to skin and mucous membranes.
  - · on the eye: Irritating effect.
  - Inhalation: May cause respiratory tract irritation.
  - Ingestion: May be fatal if swallowed and enter airways.
- · Sensitization:

Sensitization possible through skin contact.

May produce an allergic reaction.

# Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

· IV	· IARC (International Agency for Research on Cancer)		
1330-20-7	xylene	3	
111-76-2	2-butoxyethanol	3	
5989-27-5	(R)-p-mentha-1,8-diene	3	
91-20-3	naphthalene	2B	
· N	· NTP (National Toxicology Program)		
91-20-3 na	91-20-3 naphthalene R		
· C	· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.			

# **12 Ecological information**

## · Toxicity

· Aquatic toxicity	
111-76-2 2-butoxye	thanol
EC50 (48 h)	>1000 mg/L (daphnia)
LC50 (96 h) (static)	1490 mg/L (Lepomis macrochirus)
	(Contd. on page 9)

NΑ

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#### 5989-27-5 (R)-p-mentha-1,8-diene

LC50 (96 h) 0.619-0.796 mg/L (Pimephales promelas)

- Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
  - · Bioaccumulative potential

#### 108-11-2 4-methylpentan-2-ol

Bioaccumulation LogPow 1.43 (-) (potential low)

- · Mobility in soil No further relevant information available.
- · Ecotoxical effects:
  - · Remark: Toxic for fish
- · Additional ecological information:
  - General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- Results of PBT and vPvB assessment
  - · **PBT:** Not applicable.
  - · vPvB: Not applicable.
- Other adverse effects Avoid release to the environment.

# 13 Disposal considerations

- · Waste treatment methods
  - · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
  - · Recommendation: Disposal must be made according to official regulations.

UN-Number	
· DOT, ADR, IMDG, IATA	UN1993
TDG	UN1993
UN proper shipping name	
· DOT	Flammable liquids, n.o.s. (Xylenes, Dipenten-
	Methyl isobutyl carbinol)
· TDG	Flammable liquids, n.o.s. (Xylenes, Dipenten
	Methyl isobutyl carbinol)
· IMDG	FLAMMABLE LIQUID, N.O.S. (XYLENES
	DIPENTENE, METHYL ISOBUTYL CARBINOL
	MARINE POLLUTANT

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	(Contd. of page
·IATA	FLAMMABLE LIQUID, N.O.S. (XYLENES DIPENTENE, METHYL ISOBUTYL CARBINOL)
· Transport hazard class(es)	
DOT	
ELAMMARE LICUD	
· Class	3 Flammable liquids
Label	3
· TDG · Class	2 Elammahla liquida
· Label	3 Flammable liquids 3
· IMDG, IATA	
· Class	3 Flammable liquids
· Label	3
Packing group DOT, IMDG, IATA TDG	 
· Environmental hazards:	Product contains environmentally hazardou substances: (R)-p-mentha-1,8-diene
· Marine pollutant:	Yes (DOT)
Special precautions for user Hazard identification number (FEMS Number: Stowage Category	Warning: Flammable liquids <b>Kemler code):</b> 30 F-E, <u>S-E</u> A
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	k II of Not applicable.
· Transport/Additional information:	
· IMDG	
· Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1  Maximum net quantity per inner packaging: 3
	ml Maximum net quantity per outer packaging
	1000 ml
	(Contd. on page 2

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· Size/package type:	LTD QTY, Consumer Commodity, ORM-D (325 mL/bottle)
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUIDS, N.O.S. (XYLENES, DIPENTENE, METHYL ISOBUTYL CARBINOL), 3, III, ENVIRONMENTALLY HAZARDOUS

# 15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture No REACH Annex XVII restrictions Contains no REACH candidate substance
  - · Sara

Jaia	1		
· Section 355 (extremely hazardous substances):			
None of the	None of the ingredients is listed.		
· S	· Section 313 (Specific toxic chemical listings):		
1330-20-7	xylene		
111-76-2	2-butoxyethanol		
91-20-3	naphthalene		
95-63-6	1,2,4-trimethylbenzene		
· TSC	A (Toxic Substances Control Act):		
1330-20-7	xylene		
111-76-2	2 2-butoxyethanol		
5989-27-5	(R)-p-mentha-1,8-diene		
108-11-2	2 4-methylpentan-2-ol		
61791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkylderivs.		
64742-47-8	B Distillates (petroleum), hydrotreated light		

#### · Proposition 65

91-20-3 naphthalene

95-63-6 1,2,4-trimethylbenzene

94-91-7 n,n'-Disalicylidene-1,2-propanediamine 64742-94-5 Solvent naphtha (petroleum), heavy arom. 64742-46-7 Distillates (petroleum), hydtrotreated middle

91-20-3 naphthalene

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

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· Car	cinogenic categories			
•	EPA (Environmental Protection Agency)			
1330-20-7	xylene	I		
111-76-2	2-butoxyethanol	NL		
91-20-3	naphthalene	C, C	BD	
· TLV (Threshold Limit Value)				
1330-20-7	xylene		A4	
111-76-2	2-butoxyethanol		А3	
91-20-3	naphthalene		A4	
- [	NIOSH-Ca (National Institute for Occupational Safety and Health)			
None of the ingredients is listed.				
· Car	nadian substance listings:			
· Canadian Domestic Substances List (DSL)				
All ingredients are listed.				
- (	Canadian Ingredient Disclosure list (limit 0.1%)			
95-63-6 1	95-63-6 1,2,4-trimethylbenzene			
- (	Canadian Ingredient Disclosure list (limit 1%)			
111-76-2	2-butoxyethanol			
5989-27-5	(R)-p-mentha-1,8-diene			
108-11-2	4-methylpentan-2-ol			

# **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Contact: Engineering Department
  - · Issue Date

30.09.2015

2015/10/13

Revision Changes:

v 1.0 - original SDS release (2015/10/13)

v 2.0 - revised (2016/08/02)

Abbreviations and acronyms:

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flammable Liquids 3: Flammable liquids - Category 3

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Acute Toxicity - Inhalation 4: Acute toxicity – Category 4
Skin Irrititation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - Skin 1: Skin sensitisation – Category 1
Carcinogenicity 2: Carcinogenicity – Category 2
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2