	Safety Data Sheet	
lssue date: 23.03.2022	v 3	Last Revision Date: 02.08.2016
1 Identification		
· Product identifier		
	duction System Cleaner	
• Part number: 400 • Application of the	2425 substance / the mixture engine sys	stem cleaner
Details of the supplier of Manufacturer/Suppli CPS Products Inc U 1010 E 31st Street Hialeah, FL 33013 US Tel: (305) 687-4121 email of person respon	f the safety data sheet er: SA	
Emergency telephon CHEMTREC Internation		JS), 1-800-424-9300 (in the US) 24 hr
2 Hazard(s) identifica	tion	
Skin Irrititation 2H3Eye Irritation 2AH3Sensitization - Skin 1H3Carcinogenicity 2H3Aquatic Acute 2H4	26 Flammable liquid and vapor. 15 Causes skin irritation. 19 Causes serious eye irritation. 17 May cause an allergic skin reactior 51 Suspected of causing cancer. 01 Toxic to aquatic life.	
Label elements GHS label elements	11 Toxic to aquatic life with long lastin ed and labeled according to the Globa <b>s</b>	-
· Signal word Warn	ing	
-	ng components of labeling: diene s nd vapor. on. e irritation. gic skin reaction. ing cancer.	
	e with long lasting effects.	
Toxic to aquatic life <b>Precautionary sta</b>		

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## Trade name: GDi Induction System Cleaner (Contd. of page 1) Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. 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. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool. Store locked up. 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%	
108-11-2	4-methylpentan-2-ol	2.5-10%	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	≤2.5%	
64742-47-8	Distillates (petroleum), hydrotreated light	≤2.5%	
91-20-3	naphthalene	≤2.5%	
· Other In	· Other Ingredients		
64742-46-7	Distillates (petroleum), hydtrotreated middle	≤2.5%	
95-63-6	1,2,4-trimethylbenzene	≤2.5%	
Addition	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.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

### After skin contact:

Immediately wash with water and soap and rinse thoroughly.

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

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• 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.

• After swallowing: Do not induce vomiting; immediately call for medical help.

### · Information for doctor: Treat Symptomatically

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

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.

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.

### · 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

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## Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 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-b	utoxyethanol (10-25%)	
PEL (USA)	TWA: 240 mg/m³, 50 ppm Skin	
REL (USA)	TWA: 24 mg/m³, 5 ppm Skin	
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		(Contd. of page 4)
TLV (USA)	TWA: 97 mg/m³, 20 ppm BEI	
EL (Canada	) TWA: 20 ppm	
	) TWA: 20 ppm	
	Skin	
	methylpentan-2-ol (2.5-10%)	
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	Distillates (petroleum), hydrotreated light (≤2.5%)	
EL (Canada	)TWA: 200 mg/m³ Skin	
91-20-3 nap	hthalene (≤2.5%)	
PEL (USA)	TWA: 50 mg/m³, 10 ppm	
REL (USA)	STEL: 75 mg/m³, 15 ppm TWA: 50 mg/m³, 10 ppm	
TLV (USA)	TWA: 52 mg/m³, 10 ppm Skin; BEI	
EL (Canada	) STEL: 15 ppm TWA: 10 ppm Skin; IARC 2B	
EV (Canada	) STEL: 78 mg/m³, 15 ppm TWA: 52 mg/m³, 10 ppm	
	gredients with biological limit values:	
	ylene (25-50%)	
	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids	
	butoxyethanol (10-25%)	
BEI (USA)	200 mg/g creatinine Medium: urine	
	Time: end of shift	
	Parameter: Butoxyacetic acid with hydrolysis	
		(Contd. on page 6)

· Flammability (solid, gaseous):

· Auto igniting:

Danger of explosion:

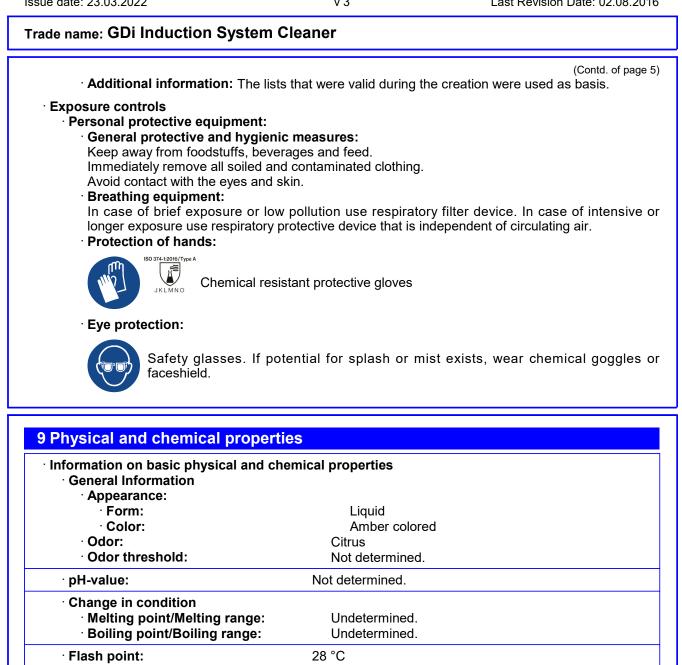
· Explosion limits: · Lower:

· Upper:

Decomposition temperature:

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Not applicable.

Not determined.

Not determined.

Not determined.

Product is not selfigniting.

air/vapor mixtures are possible.

Product is not explosive. However, formation of explosive

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· Vapor pressure:	Not determined.	
· Density:	Not determined.	
Relative density at 20 °C	0.84-0.88	
· Vapor density	Not determined.	
Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
· Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/wa	ater): Not determined.	
· Viscosity:		
· Dynamic:	Not determined.	
· Kinematic:	Not determined.	
· Solvent separation test		
VOC content:	66.2 %	
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.
- $\cdot$  Possibility of hazardous reactions  $\ensuremath{\mathsf{No}}$  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:

<ul> <li>LD/LC50 values that are relevant for classification:</li> </ul>		
ATE (Acu	te Toxicity Estimation	ate)
Oral	LD50	3,303 mg/kg
Dermal	LD50	2,842 mg/kg
Inhalative	LC50/4 h (vapor)	68.7 mg/L (gpg)
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1330-20-7	xylene	
Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h (vapor)	6,700 mg/L (rat)
111-76-2 2	2-butoxyethanol	
Oral	LD50	1,414 mg/kg (gpg)
Dermal	LD50	2,000 mg/kg (gpg)
Inhalative	LC50/4 h (vapor)	11.5 mg/L (gpg)
5989-27-5	(R)-p-mentha-1,8	b-diene
Oral	LD50	4,400 mg/kg (rat)
Dermal	LD50	>5 g/Kg (rabbit)
108-11-2 4	l-methylpentan-2	-ol
Oral	LD50	2,590 mg/kg (rat)
Dermal	LD50	3,560 mg/kg (rabbit)
91-20-3 na	aphthalene	
Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rat)
	sitization:	e fatal if swallowed and enter airways.
May Sen Additio The pro prepara Harmfu	onal toxicologica oduct shows the f ations:	through skin contact.
May Sen <b>Additio</b> The pro prepara Harmfu Irritant	sitization possible onal toxicologica oduct shows the f ations: I	through skin contact. I information: ollowing dangers according to internally approved calculation method
May Sen • Additio The pro prepara Harmfu Irritant	sitization possible onal toxicologica oduct shows the f ations: Il ARC (Internation	through skin contact. I information:
May Sen Additio The pro prepara Harmfu Irritant 1330-20-7	sitization possible onal toxicologica oduct shows the f ations: I ARC (Internation xylene	through skin contact. I information: ollowing dangers according to internally approved calculation method
May Sen Additio The pro prepara Harmfu Irritant 1330-20-7 111-76-2	sitization possible onal toxicologica oduct shows the f ations: Il ARC (Internation xylene 2-butoxyethanol	through skin contact. I information: following dangers according to internally approved calculation method al Agency for Research on Cancer)
May Sen <b>Additio</b> The pro prepara Harmfu Irritant 1330-20-7 111-76-2 5989-27-5	sitization possible onal toxicologica oduct shows the f ations: ARC (Internation xylene 2-butoxyethanol (R)-p-mentha-1,8	through skin contact. I information: following dangers according to internally approved calculation method al Agency for Research on Cancer)
May Sen <b>Additio</b> The pro prepara Harmfu Irritant 1330-20-7 111-76-2 5989-27-5 91-20-3	sitization possible onal toxicologica oduct shows the f ations: ARC (Internation xylene 2-butoxyethanol (R)-p-mentha-1,6 naphthalene	through skin contact. I information: following dangers according to internally approved calculation method al Agency for Research on Cancer) B-diene
May Sen Additio The pro prepara Harmfu Irritant 1330-20-7 111-76-2 5989-27-5 91-20-3	sitization possible onal toxicologica oduct shows the f ations: ARC (Internation xylene 2-butoxyethanol (R)-p-mentha-1,6 naphthalene	through skin contact. I information: following dangers according to internally approved calculation method al Agency for Research on Cancer)

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## 12 Ecological information

### · Toxicity

• Aquatic toxicity:

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 1.43 (-) (potential low)

• Mobility in soil No further relevant information available.

· Ecotoxical effects:

· Remark: Toxic for fish

#### · Additional ecological information:

#### · General notes:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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.

## · 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)

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	(Contd. of page
· TDG	Flammable liquids, n.o.s. (Xylenes, Dipenten Methyl isobutyl carbinol)
·IMDG	FLAMMABLE LIQUID, N.O.S. (XYLENES DIPENTENE, METHYL ISOBUTYL CARBINOL MARINE POLLUTANT
·IATA	FLAMMABLE LIQUID, N.O.S. (XYLENES DIPENTENE, METHYL ISOBUTYL CARBINOL)
<ul> <li>Transport hazard class(es)</li> </ul>	
· DOT	
FLAMABLE LOOD	
· Class	3 Flammable liquids
Label	3
TDG	
· Class · Label	3 Flammable liquids 3
· IMDG, IATA	
· Class	3 Flammable liquids
· Label	3
· Packing group	
DOT, IMDG, IATA	III
·TDG	III
· Environmental hazards:	Product contains environmentally hazardou substances: (R)-p-mentha-1,8-diene
· Marine pollutant:	Yes (DOT)
• Special precautions for user	Warning: Flammable liquids
Hazard identification number (Ker	
<ul> <li>EMS Number:</li> <li>Stowage Category</li> </ul>	F-E, <u>S-E</u> A
<ul> <li>Transport in bulk according to Annex II MARPOL73/78 and the IBC Code</li> </ul>	of Not applicable.
· Transport/Additional information:	
IMDG Limited quantities (LQ)	5L
, ,	(Contd. on page

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<ul> <li>Excepted quantities (EQ)</li> </ul>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· 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

## 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

Uurt	Gara	
	ection 355 (extremely hazardous substances):	
None of the	e ingredients is listed.	
· S	ection 313 (Specific toxic chemical listings):	
1330-20-7	xylene	
111-76-2	2-butoxyethanol	
95-63-6	1,2,4-trimethylbenzene	
91-20-3	naphthalene	
· TSC	TSCA (Toxic Substances Control Act):	
1330-20-7	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	
64742-94-5	5 Solvent naphtha (petroleum), heavy arom.	
64742-47-8	B Distillates (petroleum), hydrotreated light	
64742-46-7	7 Distillates (petroleum), hydtrotreated middle	
95-63-6	3 1,2,4-trimethylbenzene	
91-20-3	91-20-3 naphthalene	
· Prop	Proposition 65	
· C	Chemicals known to cause cancer:	
91-20-3 na	aphthalene	
· C	hemicals known to cause reproductive toxicity for females:	
None of the	e ingredients is listed.	
· C	hemicals known to cause reproductive toxicity for males:	
None of the	a ingradianta ia liatad	

None of the ingredients is listed.

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<ul> <li>Chemicals known to cause developmental toxicity:</li> </ul>
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None of the ingredients is listed.

#### Carcinogenic categories

٠E	PA (Environmental Protection Agency)	
1330-20-7	xylene	I
111-76-2	2-butoxyethanol	NL
95-63-6	1,2,4-trimethylbenzene	II
91-20-3	naphthalene	C, CBD
· T	LV (Threshold Limit Value)	
1330-20-7	xylene	A4
111-76-2	2-butoxyethanol	A3
91-20-3	naphthalene	A4
·N	IIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the	e ingredients is listed.	
· Can	adian substance listings:	
· C	Canadian Domestic Substances List (DSL)	
All ingredie	ents are listed.	
· C	Canadian Ingredient Disclosure list (limit 0.1%)	
95-63-6 1,	2,4-trimethylbenzene	
· C	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
- 02.08.2016 14/FEB/2017

### · Revision Changes:

- v 1.0 original SDS release (13/OCT/2015)
- v 2.0 revised (02/AUG/2016)
- v 3.0 revised section 2&3 (14/FEB/2017)

#### · 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) VOC: Volatile Organic Compounds (USA, EU)

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(Contd. of page 12) 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 Skin Irrititation 2: Skin corrosion/irritation – Category 2 Eye Irritation 2A: Serious eye damage/eye irritation – 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