

## Safety Data Sheet

Issue date: 21.04.2022

v 3

Last Revision Date: 10.08.2015

**1 Identification**· **Product identifier**

- **Trade name: GDI Intake Valve Cleaner**
  - **Part number:** 201232
  - **Application of the substance / the mixture** intake valve cleaner

· **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**

Skin Irritation 2 H315 Causes skin irritation.

Eye Irritation 2A H319 Causes serious eye irritation.

Carcinogenicity 2 H351 Suspected of causing cancer.

· **Label elements**· **GHS label elements**

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

· **Hazard pictograms**· **Signal word** Warning· **Hazard statements**

Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.

· **Precautionary statements**

Obtain special instructions before use.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin: Wash with plenty of water.  
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 attention.  
Take off contaminated clothing and wash it before reuse.  
Store locked up.  
Dispose of contents in accordance with local regulations.

· **Additional information:** For Professional Use Only· **Other hazards**

- **PBT:** Not applicable.

(Contd. on page 2)

NA

## Safety Data Sheet

Issue date: 21.04.2022

v 3

Last Revision Date: 10.08.2015

Trade name: **GDi Intake Valve Cleaner**

(Contd. of page 1)

· **vPvB:** Not applicable.**3 Composition/information on ingredients**· **Chemical characterization: Mixtures**· **Chemical components:**

1310-73-2	sodium hydroxide	0.5-<2%
68439-46-3	Alcohols, C9-11, ethoxylated	0.1-≤2.5%
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	0.1-≤2.5%

· **Other Ingredients**

68610-19-5	Poly(oxy-1,2-ethanediyl), a, a'-[[methyl[3-(tridecyloxy)propyl]iminio]di-2, 1-ethanediyl]bis[w-hydroxy-, branched, chlorides	0.1-≤2.5%
68478-65-9	N,N-Bis(2-Hydroxyethyl)isodecyloxypropanamine oxide	0.1-≤2.5%
67-63-0	propan-2-ol	0.1-≤2.5%
5064-31-3	trisodium nitrilotriacetate	≤ 2.5%
124-68-5	2-amino-2-methylpropanol	<0.1%
111-87-5	1-Octanol	<0.1%
112-30-1	1-Decanol	<0.1%
7732-18-5	water, distilled, conductivity or of similar purity	50-100%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.**4 First-aid measures**· **Description of first aid measures**· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.· **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. Drink copious amounts of water and provide fresh air. Immediately call a doctor.

· **Information for doctor:** Treat Symptomatically· **Most important symptoms and effects, both acute and delayed**

Irritating to skin and eyes. Could cause dermatitis. Will cause nausea and vomiting.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Fire-fighting measures**· **Extinguishing media**· **Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **Special hazards arising from the substance or mixture** See section 10 for additional information.

(Contd. on page 3)

## Safety Data Sheet

Issue date: 21.04.2022

v 3

Last Revision Date: 10.08.2015

Trade name: **GDi Intake Valve Cleaner**

(Contd. of page 2)

- **Advice for firefighters**
  - **Protective equipment:**  
Recommend wearing self-contained breathing apparatus. Water may cause splattering.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **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**  
Use good personal hygiene practices  
Avoid contact with the eyes and skin.  
Avoid contact with clothing.  
Use only in well ventilated areas.  
Avoid splashes or spray in enclosed areas.
  - **Information about protection against explosions and fires:** No special measures required.
- **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:**  
Store only in the original receptacle.
    - **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**· **Control parameters**· **Components with limit values that require monitoring at the workplace:****1310-73-2 sodium hydroxide ( $\leq 2.5\%$ )**

PEL (USA)	TWA: 2 mg/m <sup>3</sup>
REL (USA)	CEV: 2 mg/m <sup>3</sup>
TLV (USA)	CEV: 2 mg/m <sup>3</sup>
EL (Canada)	CEV: 2 mg/m <sup>3</sup>

(Contd. on page 4)

NA

## Safety Data Sheet

Issue date: 21.04.2022

v 3

Last Revision Date: 10.08.2015

**Trade name: GDi Intake Valve Cleaner**

(Contd. of page 3)

EV (Canada) | CEV: 2 mg/m<sup>3</sup>

- **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:**



ISO 374-1:2016/Type A



JKLMNO

Chemical resistant protective gloves

- **Eye protection:**



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

**9 Physical and chemical properties**

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:** Liquid

- **Color:** Amber colored

- **Odor:** Mild

- **Odor threshold:** Not determined.

- **pH-value at 25 °C:** 12.5-13.8

- **Change in condition**

- **Melting point/Melting range:** Undetermined.

- **Boiling point/Boiling range:** Undetermined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not applicable.

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

- **Lower:** Not determined.

(Contd. on page 5)

NA

## Safety Data Sheet

Issue date: 21.04.2022

v 3

Last Revision Date: 10.08.2015

**Trade name: GDi Intake Valve Cleaner**

(Contd. of page 4)

· <b>Upper:</b>	Not determined.
· <b>Vapor pressure:</b>	Not determined.
· <b>Density:</b>	Not determined.
· <b>Relative density at 20 °C</b>	1-1.1
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Kinematic:</b>	Not determined.
· <b>Other information</b>	No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information**

- **Information on toxicological effects**
  - **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>1310-73-2 sodium hydroxide</b>		
Oral	LD50	2000 mg/kg (rat)
<b>68439-46-3 Alcohols, C9-11, ethoxylated</b>		
Oral	LD50	1400 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rat)
<b>68515-73-1 D-Glucopyranose, oligomeric, decyl octyl glycosides</b>		
Oral	LD50	2000 mg/kg (rat)

- **Primary irritant effect:**
  - **on the skin:** Irritant to skin and mucous membranes.
  - **on the eye:** Irritating effect.
  - **Ingestion:** Irritating to mouth, throat and stomach.
- **Sensitization:** No sensitizing effects known.

(Contd. on page 6)

-NA-

## Safety Data Sheet

Issue date: 21.04.2022

v 3

Last Revision Date: 10.08.2015

Trade name: **GDi Intake Valve Cleaner**

(Contd. of page 5)

· **Additional toxicological information:**

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

Irritant

· <b>IARC (International Agency for Research on Cancer)</b>	
67-63-0	propan-2-ol
	3
· <b>NTP (National Toxicology Program)</b>	
None of the ingredients is listed.	
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	
None of the ingredients is listed.	

**12 Ecological information**· **Toxicity**

· <b>Aquatic toxicity:</b>	
<b>1310-73-2 sodium hydroxide</b>	
LC50 (48 h)	125 mg/L (fish)
<b>68439-46-3 Alcohols, C9-11, ethoxylated</b>	
EC50	5.3 mg/kg (daphnia)
LC50 (96 h)	8.5 mg/L (fathead)

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Not hazardous for water.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

**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.

NA

(Contd. on page 7)

## Safety Data Sheet

Issue date: 21.04.2022



v 3

Last Revision Date: 10.08.2015

Trade name: **GDi Intake Valve Cleaner**

(Contd. of page 6)

**14 Transport information**

<ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· DOT, ADR, IMDG, IATA</li> <li>· TDG</li> </ul>	<p>UN1760 UN 1760</p>
<ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· DOT</li> <li>· TDG</li> <li>· IMDG, IATA</li> </ul>	<p>Corrosive liquids, n.o.s. (Sodium hydroxide) Corrosive liquids, n.o.s. (Sodium hydroxide) CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)</p>
<ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· DOT</li> </ul>	
 <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	<p>8 Corrosive substances 8</p>
<ul style="list-style-type: none"> <li>· TDG</li> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	<p>8 Corrosive substances 8</p>
<ul style="list-style-type: none"> <li>· <b>IMDG, IATA</b></li> </ul>	
 <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	<p>8 Corrosive substances 8</p>
<ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· DOT, IMDG, IATA</li> <li>· TDG</li> </ul>	<p>III III</p>
<ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>	<p>No</p>
<ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> <li>· <b>Hazard identification number (Kemler code):</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Segregation groups</b></li> <li>· <b>Stowage Category</b></li> <li>· <b>Stowage Code</b></li> </ul>	<p>Warning: Corrosive substances 80 F-A,S-B Alkalis A SW2 Clear of living quarters.</p>
<ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>	<p>Not applicable.</p>

(Contd. on page 8)

NA

## Safety Data Sheet

Issue date: 21.04.2022

v 3

Last Revision Date: 10.08.2015

Trade name: **GDi Intake Valve Cleaner**

(Contd. of page 7)

· **Transport/Additional information:**· **IMDG**

- |                                   |   |
|-----------------------------------|---|
| · <b>Limited quantities (LQ)</b>  | 5L  |
| · <b>Excepted quantities (EQ)</b> | Code: E1  |
|                                   | Maximum net quantity per inner packaging: 30 ml   |
|                                   | Maximum net quantity per outer packaging: 1000 ml |

- |                                 |  |
|---------------------------------|--|
| · <b>UN "Model Regulation":</b> | UN 1760 CORROSIVE LIQUIDS, N.O.S. (SODIUM HYDROXIDE), 8, 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**· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

67-63-0 propan-2-ol

· **TSCA (Toxic Substances Control Act):**

1310-73-2	sodium hydroxide
68439-46-3	Alcohols, C9-11, ethoxylated
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides
68610-19-5	Poly(oxy-1,2-ethanediyl), a, a' -[[methyl[3-(tridecyloxy)propyl]iminio]di-2,1-ethanediyl]bis[w-hydroxy-, branched, chlorides
68478-65-9	N,N-Bis(2-Hydroxyethyl)isodecyloxypropanamine oxide
67-63-0	propan-2-ol
5064-31-3	trisodium nitrilotriacetate
124-68-5	2-amino-2-methylpropanol
111-87-5	1-Octanol
112-30-1	1-Decanol
7732-18-5	water, distilled, conductivity or of similar purity

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **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.

(Contd. on page 9)

NA



## Safety Data Sheet

Issue date: 21.04.2022

v 3

Last Revision Date: 10.08.2015

**Trade name: GDi Intake Valve Cleaner**

(Contd. of page 8)

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

67-63-0 propan-2-ol

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Canadian substance listings:**· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

1310-73-2 sodium hydroxide

**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.

None

· **Contact:** Engineering Department· **Issue Date**

10.08.2015

09/FEB/2017

· **Revision Changes:**

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

v 2.0 - revised section 3 (09/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)

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 &amp; Health

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Carcinogenicity 2: Carcinogenicity – Category 2

NA