

Safety data sheet

Issue date: 21.04.2022


Version 3

Last Revision: 09.10.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
 - **Product name: GDi Intake Valve Cleaner**
 - **Part number:** 201232
 - **Application of the substance / the mixture** intake valve cleaner
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
CPS Product Inc. - USA
1010 East 31st Street
Hialeah, FL 33013 USA
Phone: (305) 687 - 4121
cs@cpsproducts.com
 - **email of person responsible:** cs@cpsproducts.com
- **1.4 Emergency telephone number:** CHEMTREC International +1 (703) 527-3887 24 hr

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**
Skin Corr. 1 H314 Causes severe skin burns and eye damage.
Eye Irrit. 2 H319 Causes serious eye irritation.
- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
 - **Hazard pictograms**

GHS05
 - **Signal word** Danger
 - **Hazard-determining components of labelling:**
D-Glucopyranose, oligomeric, decyl octyl glycosides
 - **Hazard statements**
H314 Causes severe skin burns and eye damage.
 - **Precautionary statements**
P260 Do not breathe dusts or mists.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment (see on this label).
P405 Store locked up.
P501 Dispose of contents in accordance with local regulations.
 - **Additional information:** For Professional Use Only
- **2.3 Other hazards**
 - **PBT:** Not applicable.

(Contd. on page 2)

Safety data sheet

Issue date: 21.04.2022

Version 3

Last Revision: 09.10.2015

Product name: GDi Intake Valve Cleaner

(Contd. of page 1)

· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients**· **3.2 Mixtures**· **Chemical components:**

CAS: 1310-73-2 EINECS: 215-185-5	sodium hydroxide Skin Corr. 1A, H314; Acute Tox. 4, H302	0.5-<2%
CAS: 68439-46-3	Alcohols, C9-11, ethoxylated Acute Tox. 4, H302	0.1-≤2.5%
CAS: 68515-73-1 NLP: 500-220-1	D-Glucopyranose,oligomeric, decyl octyl glycosides Skin Corr. 1, H314; Eye Dam. 1, H318; Acute Tox. 4, H302	0.1-≤2.5%

· **Other Ingredients**

CAS: 68610-19-5 EC number: 614-661-3	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%
CAS: 68478-65-9 EINECS: 270-830-8	N,N-Bis(2-Hydroxyethyl)isodecyloxypropanamine oxide	0.1-≤2.5%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	0.1-≤2.5%
CAS: 5064-31-3 EINECS: 225-768-6	trisodium nitrilotriacetate Carc. 2, H351; Acute Tox. 4, H302; Eye Irrit. 2, H319	≤ 2.5%
CAS: 124-68-5 EINECS: 204-709-8	2-amino-2-methylpropanol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	<0.1%
CAS: 111-87-5 EINECS: 203-917-6	1-Octanol Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<0.1%
CAS: 112-30-1 EINECS: 203-956-9	1-Decanol Acute Tox. 3, H331; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<0.1%
CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	50-100%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures**· **4.1 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 plenty of water and provide fresh air. Call for a doctor immediately.

· **Information for doctor:** Treat Symptomatically· **4.2 Most important symptoms and effects, both acute and delayed**

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

(Contd. on page 3)

Safety data sheet

Issue date: 21.04.2022

Version 3

Last Revision: 09.10.2015

Product name: GDi Intake Valve Cleaner

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 - **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** See section 10 for additional information.
- **5.3 Advice for firefighters**
 - **Protective equipment:**
Recommend wearing self-contained breathing apparatus. Water may cause splattering.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
- **6.2 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.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **6.4 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.

SECTION 7: Handling and storage

- **7.1 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 fire - and explosion protection:** No special measures required.
- **7.2 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 container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

GB

(Contd. on page 4)

Safety data sheet

Issue date: 21.04.2022

Version 3

Last Revision: 09.10.2015

Product name: GDi Intake Valve Cleaner

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

1310-73-2 sodium hydroxide (0.5-<2%)WEL Short-term value: 2 mg/m³· **Additional information:** The lists valid during the making were used as basis.

· 8.2 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.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:



Chemical resistant protective gloves (EN 374)

· Eye protection:



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

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

- Form: Liquid
- Colour: Amber coloured
- Odour: Mild
- Odour threshold: Not determined.

· pH-value at 25 °C: 12.5-13.8

· Change in condition

- Melting point/freezing point: Undetermined.
- Initial boiling point and boiling range: Undetermined.

· Flash point: Not applicable.

· Flammability (solid, gas): Not applicable.

· Decomposition temperature: Not determined.

(Contd. on page 5)

Safety data sheet

Issue date: 21.04.2022

Version 3

Last Revision: 09.10.2015

Product name: GDI Intake Valve Cleaner

(Contd. of page 4)

· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density:	Not determined.
· Relative density at 20 °C	1-1.1
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
 - **Acute toxicity** Based on available data, the classification criteria are not met.

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

(Contd. on page 6)

Safety data sheet

Issue date: 21.04.2022

Version 3

Last Revision: 09.10.2015

Product name: GDi Intake Valve Cleaner

(Contd. of page 5)

- **Primary irritant effect:**
 - **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
 - **Serious eye damage/irritation**
Causes serious eye irritation.
 - **Ingestion:** Irritating to mouth, throat and stomach.
- **Respiratory or skin sensitisation**
Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
 - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
 - **Carcinogenicity** Based on available data, the classification criteria are not met.
 - **Reproductive toxicity** Based on available data, the classification criteria are not met.
 - **STOT-single exposure** Based on available data, the classification criteria are not met.
 - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
 - **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information· **12.1 Toxicity**

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

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
 - **Additional ecological information:**
 - **General notes:** Not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations· **13.1 Waste treatment methods**

- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
 - **Recommendation:** Disposal must be made according to official regulations.

GB

(Contd. on page 7)

Safety data sheet

Issue date: 21.04.2022



Version 3

Last Revision: 09.10.2015

Product name: GDi Intake Valve Cleaner

(Contd. of page 6)

SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN1760
· 14.2 UN proper shipping name · ADR · IMDG, IATA	UN1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE) CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)
· 14.3 Transport hazard class(es) · ADR  · Class · Label	8 (C9) Corrosive substances. 8
· IMDG, IATA  · Class · Label	8 Corrosive substances. 8
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Segregation groups · Stowage Category · Stowage Code	Warning: Corrosive substances. 80 F-A,S-B Alkalis A SW2 Clear of living quarters.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information: · ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

(Contd. on page 8)

Safety data sheet

Issue date: 21.04.2022

Version 3

Last Revision: 09.10.2015

Product name: GDi Intake Valve Cleaner

(Contd. of page 7)

· Transport category	3
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE), 8, III

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No GB REACH Annex XVII restrictions
Contains no GB REACH candidate substance

SECTION 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

- **Issue Date:** 09/FEB/2017
- **Contact:** Engineering Department
- **Issue Date** 09.10.2015
- **Revision Changes:**
 - v 1.0 - original SDS release (09/OCT/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
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - 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
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Corr. 1: Skin corrosion/irritation – Category 1
 - Skin Corr. 1A: Skin corrosion/irritation – Category 1A
 - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2