



GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022
Issue date: 03-04-2026 Revision date: 03-04-2026 Version: 1.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form : Mixture
Product name : GDI-11 GDI Intake Valve Cleaner
Part number: : GDI11; GDI11C
Vaporizer : Aerosol

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Automotive Care Products, Cleaner

1.4. Supplier's details

Manufacturer

The Blaster Corporation
8500 Sweet Valley Drive
Valley View, Ohio, USA, 44125
USA
T (216) 901-5800 - F (216) 901-5801
www.blastercorp.com

Distributor

Princess Auto
475 Panet Road
Winnipeg, MB R2C 2Z1
Canada
T 204-667-4630

1.5. Emergency phone number

Emergency number : ChemTel 800-255-3924

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Aerosol, Category 1	H222; H229	Extremely flammable aerosol. Pressurized container; may burst if heated.
Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Acute toxicity (inhalation: vapour), Category 4	H332	Harmful if inhaled.
Skin irritation, Category 2	H315	Causes skin irritation.
Eye irritation, Category 2	H319	Causes serious eye irritation.
Reproductive toxicity, Category 2	H361	Suspected of damaging the unborn child.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.

2.2. GHS label elements, including precautionary statements

This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products

GHS CA labelling

Hazard pictograms (GHS-CA)



Signal word (GHS CA)

: Danger

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

Hazard statements (GHS-CA)	: H222 - Extremely flammable aerosol H229 - Pressurized container; may burst if heated H302+H332 - Harmful if swallowed or if inhaled H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H361 - Suspected of damaging the unborn child.
Precautionary statements (GHS-CA)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P261 - Avoid breathing dust, fume, gas, mist, spray, vapours. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves, protective clothing, eye protection, face protection, hearing protection. P308+P313 - IF exposed or concerned: Get medical advice or attention. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or a doctor. P330 - Rinse mouth. P331 - Do NOT induce vomiting. P302+P352 - IF ON SKIN: Wash with plenty of water. P362+P364 - Take off contaminated clothing and wash it before reuse. P332+P313 - If skin irritation occurs: Get medical advice or attention. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER or a doctor if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice or attention. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 - Dispose of contents and container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity

27% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
27% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)	Classification (GHS CA)
Xylenes (o-, m-, p-isomers)	Benzene, dimethyl- / Dimethylbenzene (mixed isomers) / Xylene / Xylene (all isomers) / Xylene (mixed isomers) / Xylene (o-, m-, p-isomers) / Xylenes / Xylenes (mixed isomers) / Dimethylbenzene / Xylol / Benzene, dimethyl-, mixed isomers / XYLENE / Dimethylbenzenes / Xylene isomers mixture / Dimethylbenzene (2-, 3-, 4-isomers) / Dimethylbenzene (mixed 2-, 3-, 4-isomers) / C8 Disubstituted benzenes / Xylene, mixed isomers / Xylenes (meta-, ortho-, para-) / Xylene (mixture), including m-xylene, o-xylene, p-xylene / Xylene (o-,m-,p- isomer mixture)	CAS-No.: 1330-20-7	30 – 60	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 Asp. Tox. 1, H304
Isopropyl alcohol	2-Hydroxypropane / 2-Propyl alcohol / 2-Propanol / Isopropanol / Propan-2-ol / ISOPROPYL ALCOHOL / Propanol, 2- / Isopropylic alcohol	CAS-No.: 67-63-0	5 – 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
2-Butoxyethanol	2-Butoxy-1-ethanol / Butoxyethanol / Ethanol, 2-butoxy- / Ethylene glycol monobutyl ether / Ethylene glycol n-butyl ether / Hydroxyethyl butyl ether / Ethylene glycol butyl ether / 2-Butoxyethan-1-ol / Ethylene glycol mono-n-butyl ether / 2-n-Butoxyethanol / Butyl glycol / BUTOXYETHANOL / EGBE / EGMBE / Butoxyethanol, 2- / Butyl Cellosolve / Monobutyl ether of ethyleneglycol	CAS-No.: 111-76-2	7 – 13	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Ethanol,2-amino-	2-Hydroxyethylamine / Monoethanolamine / Ethanol, 2-amino- / 2-Aminoethanol / Aminoethanol / ETHANOLAMINE / MEA	CAS-No.: 141-43-5	0.1 – 1	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation:vapour), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 1, H372 HHNOC 1

*Chemical name, CAS number and/or exact concentration have been withheld as Trade Secret

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

- | | |
|---------------------------------------|---|
| First-aid measures after inhalation | : IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER/doctor if you feel unwell. |
| First-aid measures after skin contact | : IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : 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 advice/attention. |

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER/doctor.
First-aid measures general	: IF exposed or concerned: Get medical advice/attention.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Harmful if inhaled. May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May result in aspiration into the lungs, causing chemical pneumonia.
Chronic symptoms	: Suspected of damaging the unborn child.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
-----------------------------------	--

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO ₂). Dry chemical. Foam. Water spray.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	: Extremely flammable aerosol. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Products of combustion may include, and are not limited to: oxides of carbon. Acrid smoke. Irritating vapours.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Special protective actions for fire-fighters

Firefighting instructions	: DO NOT fight fire when fire reaches explosives. Evacuate area. Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate every possible source of ignition. Use only non-sparking tools. Use special care to avoid static electric charges.
Personal Precautions, Protective Equipment and Emergency Procedures	: Avoid breathing dust/fume/gas/mist/vapors/spray.
Environmental precautions	: Prevent entry to sewers and public waters.

6.2. Methods and materials for containment and cleaning up

For containment	: Stop leak if safe to do so. Eliminate every possible source of ignition. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, spray, vapours. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Take off contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.
Additional hazards when processed	: Hazardous waste due to potential risk of explosion.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Store away from direct sunlight or other heat sources. Store locked up.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Xylenes (o-, m-, p- isomers) (1330-20-7)	
USA - ACGIH® - Threshold Limit Values	
Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH®)	TLV® Basis: Eye & URT irr; CNS impair; Hematologic eff; Ototoxicity (p-xylene). Notations: OTO (Ototoxicant) (p isomer); A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH® chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2025
USA - ACGIH® - Biological Exposure Indices	
Local name	Xylene, all isomers (Dimethylbenzene)
BEI	1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift (technical or commercial grade)
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Xylenes (o-, m-, p-isomers)
OSHA PEL TWA	435 mg/m³

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

Xylenes (o-, m-, p- isomers) (1330-20-7)	
OSHA PEL TWA	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Isopropyl alcohol (67-63-0)	
USA - ACGIH® - Threshold Limit Values	
Local name	2-Propanol
ACGIH® TLV® TWA	491 mg/m³
ACGIH® TLV® TWA	200 ppm
ACGIH® TLV® STEL	984 mg/m³
ACGIH® TLV® STEL	400 ppm
Remark (ACGIH®)	TLV® Basis: Eye & URT irr; CNS repair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH® chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2025
USA - ACGIH® - Biological Exposure Indices	
Local name	2-Propanol
BEI	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Isopropyl alcohol
OSHA PEL TWA	980 mg/m³
OSHA PEL TWA	400 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
2-Butoxyethanol (111-76-2)	
USA - ACGIH® - Threshold Limit Values	
Local name	2-Butoxyethanol (EGBE)
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH®)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH® chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2025
USA - ACGIH® - Biological Exposure Indices	
BEI	200 mg/g creatinine Parameter: Butoxyacetic acid with hydrolysis - Medium: urine - Sampling time: end of shift
USA - OSHA - Occupational Exposure Limits	
Local name	2-Butoxyethanol
OSHA PEL TWA	240 mg/m³
OSHA PEL TWA	50 ppm

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

2-Butoxyethanol (111-76-2)	
Limit value category (OSHA)	prevent or reduce skin absorption
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Ethanol,2-amino- (141-43-5)	
USA - ACGIH® - Threshold Limit Values	
Local name	Ethanolamine
ACGIH® TLV® TWA	8 mg/m³
ACGIH® TLV® TWA	3 ppm
ACGIH® TLV® STEL	15 mg/m³
ACGIH® TLV® STEL	6 ppm
Remark (ACGIH®)	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Ethanolamine
OSHA PEL TWA	6 mg/m³
OSHA PEL TWA	3 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection:
Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.
Eye protection:
Wear eye/face protection
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol.
Colour	: Colourless
Odour	: slightly ethereal
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: -104 °C (Propane)
Auto-ignition temperature	: 440 °C (1,1-Difluoroethane)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.
Vapour pressure	: ca.95 x 104 Pa(Propane)
Relative vapour density at 20°C	: 1.56 @ 0 °C (Propane)
Relative density	: No data available
Density	: 2.1 – 9.5 g/ml v/v (Propane)
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: < 20.5 mm²/s
Explosive limits	: 2.1 – 9.5 Vol-% Propane
Particle characteristics	: No data available

Xylenes (o-, m-, p- isomers) (1330-20-7)

Boiling point	138.3 – 141.4 °C
Auto-ignition temperature	465 – 525 °C
Vapour pressure	8.8 – 11.9 hPa (at 25 °C)
Particle characteristics	No data available

Isopropyl alcohol (67-63-0)

Boiling point	82.3 °C (at 1 atm)
Flash point	12 °C
Auto-ignition temperature	399 °C
Vapour pressure	42 hPa (at 20 °C)
Particle characteristics	No data available

2-Butoxyethanol (111-76-2)

Boiling point	(>171 - <171.5 °C - at 1 atm)
Flash point	67 °C Atm. press.: 1013 hPa
Auto-ignition temperature	230 °C
Vapour pressure	0.8 hPa Temp.: 20 °C
Particle characteristics	No data available

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

Ethanol,2-amino- (141-43-5)	
Boiling point	170.8 °C (at 1 atm)
Flash point	85 °C (closed cup)
Auto-ignition temperature	410 °C
Vapour pressure	0.58 hPa (at 26.9 °C)
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions. Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Extreme risk of explosion by shock, friction, fire or other sources of ignition.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Heat. Sparks. Open flame. Direct sunlight. Overheating. Incompatible materials.
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. Acrid smoke.
Hardening time:	: No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Inhalation:vapour: Harmful if inhaled.

GDI-11 GDI Intake Valve Cleaner	
ATE CA (oral)	1833.359 mg/kg bodyweight
ATE CA (vapours)	11.702 mg/l/4h
Unknown acute toxicity (GHS CA)	27% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 27% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	3500 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	> 4350 mg/kg (Source: JAPAN_GHS)
LD50 dermal	1700 mg/kg
LC50 inhalation rat	29.08 mg/l/4h
LC50 Inhalation - Rat (Vapours)	27.57 mg/l/4h
ATE CA (oral)	3500 mg/kg bodyweight
ATE CA (Dermal)	1700 mg/kg bodyweight
ATE CA (Gases)	4500 ppmv/4h
ATE CA (vapours)	11 mg/l/4h

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

Xylenes (o-, m-, p- isomers) (1330-20-7)	
ATE CA (dust,mist)	1.5 mg/l/4h
Isopropyl alcohol (67-63-0)	
LD50 oral rat	5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	4059 mg/kg (Source: JAPAN_GHS)
LC50 inhalation rat	> 10000 ppm (Exposure time: 6 h Source: ECHA_API)
ATE CA (oral)	5840 mg/kg bodyweight
ATE CA (Dermal)	4059 mg/kg bodyweight
2-Butoxyethanol (111-76-2)	
LD50 oral rat	470 mg/kg (Source: NLM_CIP)
LD50 oral	1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LC50 inhalation rat	486 ppm/4h
ATE CA (oral)	470 mg/kg bodyweight
ATE CA (Gases)	486 ppmv/4h
ATE CA (vapours)	3 mg/l/4h
ATE CA (dust,mist)	0.5 mg/l/4h
Ethanol,2-amino- (141-43-5)	
LD50 oral rat	1720 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	1000 mg/kg (Source: JAPAN_GHS)
LD50 dermal	1018 mg/kg
LC50 inhalation rat	> 1.3 mg/l (Exposure time: 6 h Source: ECHA_API)
ATE CA (oral)	1720 mg/kg bodyweight
ATE CA (Dermal)	1000 mg/kg bodyweight
ATE CA (Gases)	4500 ppmv/4h
ATE CA (vapours)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Ethanol,2-amino- (141-43-5)	
pH	12.1 (conc: 25 % (aqueous solution))
Serious eye damage/irritation	: Causes serious eye irritation.
Ethanol,2-amino- (141-43-5)	
pH	12.1 (conc: 25 % (aqueous solution))
Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Xylenes (o-, m-, p- isomers) (1330-20-7)	
IARC group	3 - Not classifiable

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

Isopropyl alcohol (67-63-0)	
IARC group	3 - Not classifiable
2-Butoxyethanol (111-76-2)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Suspected of damaging the unborn child.
Ethanol,2-amino- (141-43-5)	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/female, F0/P)	300 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
STOT-single exposure	: May cause drowsiness or dizziness.
Xylenes (o-, m-, p- isomers) (1330-20-7)	
STOT-single exposure	May cause drowsiness or dizziness.
Isopropyl alcohol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
Ethanol,2-amino- (141-43-5)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified.
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
2-Butoxyethanol (111-76-2)	
NOAEL (dermal, rat/rabbit, 90 days)	> 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Ethanol,2-amino- (141-43-5)	
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: other:OECD Guideline 416 (Two-generation reproduction toxicity study)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.01 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study), Guideline: EU Method B.8 (Subacute Inhalation Toxicity: 28-Day Study)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
GDI-11 GDI Intake Valve Cleaner	
Vaporizer	Aerosol
Viscosity, kinematic	< 20.5 mm²/s
Ethanol,2-amino- (141-43-5)	
Viscosity, kinematic	23.496 mm²/s
Symptoms/effects after inhalation	: Harmful if inhaled. May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May result in aspiration into the lungs, causing chemical pneumonia.
Chronic symptoms	: Suspected of damaging the unborn child.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

Xylenes (o-, m-, p- isomers) (1330-20-7)	
LC50 - Fish [1]	13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	2.661 – 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
EC50 - Crustacea [1]	3.82 mg/l (Exposure time: 48 h - Species: water flea)
EC50 - Crustacea [2]	0.6 mg/l (Exposure time: 48 h - Species: Gammarus lacustris)
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Isopropyl alcohol (67-63-0)	
LC50 - Fish [1]	10000 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	9640 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 1000 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	> 1000 mg/l (Species: Desmodesmus subspicatus)
2-Butoxyethanol (111-76-2)	
LC50 - Fish [1]	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus Source: IUCLID)
EC50 - Crustacea [1]	≈ 1800 mg/l Test organisms (species): Daphnia magna
NOEC chronic fish	≥ 100 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Ethanol,2-amino- (141-43-5)	
LC50 - Fish [1]	227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: IUCLID)
LC50 - Fish [2]	3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
EC50 - Crustacea [1]	65 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 algae	2.5 mg/l
EC50 72h - Algae [1]	15 mg/l (Species: Desmodesmus subspicatus)

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

Ethanol,2-amino- (141-43-5)	
EC50 72h - Algae [2]	2.1 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC chronic fish	1.24 mg/l Test organisms (species): Oryzias latipes Duration: '41 d'
NOEC (chronic)	0.85 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

GDI-11 GDI Intake Valve Cleaner	
Persistence and degradability	Not established.
Xylenes (o-, m-, p- isomers) (1330-20-7)	
Persistence and degradability	Rapidly degradable
Isopropyl alcohol (67-63-0)	
Persistence and degradability	Rapidly degradable
2-Butoxyethanol (111-76-2)	
Persistence and degradability	Rapidly degradable
Ethanol,2-amino- (141-43-5)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

GDI-11 GDI Intake Valve Cleaner	
Bioaccumulative potential	Not established.
Xylenes (o-, m-, p- isomers) (1330-20-7)	
BCF - Fish [1]	0.6 – 15
Partition coefficient n-octanol/water	2.77 – 3.15
Isopropyl alcohol (67-63-0)	
Partition coefficient n-octanol/water	0.05 (at 25 °C)
2-Butoxyethanol (111-76-2)	
Partition coefficient n-octanol/water	0.81 (at 25 °C (at pH 7)
Ethanol,2-amino- (141-43-5)	
Partition coefficient n-octanol/water	-2.3 (at 25 °C (at pH 6.8-7.3)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified.
Other information	: No other effects known.
Fluorinated greenhouse gases	: No

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Container under pressure. Do not drill or burn even after use.
Additional information	: Flammable vapours may accumulate in the container.

SECTION 14 Transport information

In accordance with TDG

14.1. UN Number

UN-No. (TDG) : UN1950

14.2. UN Proper Shipping Name

Proper Shipping Name (TDG) : AEROSOLS

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : 2.1

Hazard labels (TDG) : 2.1



14.4. Packing group, if applicable

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

TDG

UN-No. (TDG) : UN1950

TDG Special Provisions : 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment), 107 - (1) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL.
(2) Subsection (1) does not apply to self-defence spray.

Explosive Limit and Limited Quantity Index : 1 L

Excepted quantities (TDG) : E0

Passenger Carrying Road Vehicle or Passenger : 75 L

Carrying Railway Vehicle Index

Emergency Response Guide (ERG) Number : 126

GDI-11 GDI Intake Valve Cleaner

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022

14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

SECTION 16 Other Information

Issue date : 03-04-2026
Revision date : 03-04-2026

Other information : None.

Full text of hazard classes and H-statements:	
H222	Extremely flammable aerosol
H229	Pressurized container; may burst if heated
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child

Safety Data Sheet (SDS), Canada - Nexreg 2025

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.