

GARDX DEGREASER WIPES

Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	Aspiration hazard if swallowed. May be fatal if swallowed and enters airways.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	May cause discomfort.

Toxicological information on ingredients.

Hydrocarbons, C10-C12, isoalkanes, < 2% aromatics

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.1

Species Rat

ATE oral (mg/kg) 5,000.1

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,000.1

Species Rat

ATE dermal (mg/kg) 5,000.1

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 5.1

Species Rat

ATE inhalation (dusts/mists mg/l) 5.1

2-(2-BUTOXYETHOXY)ETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,530.0

Species Mouse

ATE oral (mg/kg) 5,530.0

2-BUTOXYETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,746.0

Species Rat

ATE oral (mg/kg) 1,746.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 1,060.0

GARDX DEGREASER WIPES

Species	Rabbit
ATE dermal (mg/kg)	1,060.0
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	
ATE inhalation (vapours mg/l)	11.0

DIPROPYLENE GLYCOL n-BUTYL ETHER

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	3,700.0
Species	Rat
ATE oral (mg/kg)	3,700.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,001.0
Species	Rat

SECTION 12: Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish Not determined.

Ecological information on ingredients.

Hydrocarbons, C10-C12, isoalkanes, < 2% aromatics

Acute aquatic toxicity

Acute toxicity - fish , 96 hours: 1000 mg/kg, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates , 48 hours: 1000 mg/l, Daphnia magna

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates , 21 days: <1 mg/l, Daphnia magna

2-(2-BUTOXYETHOXY)ETHANOL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 48 hours: 1820 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates NOEC, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants NOEC, 96 hours: >100 mg/l, Scenedesmus subspicatus

GARDX DEGREASER WIPES

2-BUTOXYETHANOL

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 820 - 1490 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 835 - 1550 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 1840 mg/l, Algae

DIPROPYLENE GLYCOL n-BUTYL ETHER

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 841 mg/l, Poecilia reticulata (Guppy)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: > 1000 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility The product contains substances which are water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

This product contains does not need to be transported as dangerous goods, in accordance with UN 3175 Special Provision 216 (ADR/RID/IMDG) and Special Provision A46 (IATA).

GARDX DEGREASER WIPES

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010. Commission Regulation (EU) No 2015/830 of 28 May 2015.
Guidance	Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

GARDX DEGREASER WIPES

Abbreviations and acronyms used in the safety data sheet	<p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>EC₅₀: 50% of maximal Effective Concentration.</p> <p>IATA: International Air Transport Association.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LC₅₀: Lethal Concentration to 50 % of a test population.</p> <p>LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>NOEC: No Observed Effect Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>UN: United Nations.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
Classification abbreviations and acronyms	<p>Acute Tox. = Acute toxicity</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p> <p>Asp. Tox. = Aspiration hazard</p> <p>Eye Irrit. = Eye irritation</p> <p>Flam. Liq. = Flammable liquid</p> <p>Skin Irrit. = Skin irritation</p>
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	08/07/2019
Revision	1.0
Supersedes date	n/a
Hazard statements in full	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H312 Harmful in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.