SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006

Supersedes Date 01-04-2021 **Revision date** 15-12-2022 **Revision Number** 13

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

1.1. Product identifier

Product Name Armor All® Wheel Foam

Product Code(s) 33500

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Pěnový čistič pro automobily.

Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Supplier

Energizer France SAS
2 Rue Jacques Daguerre
92500 Rueil-Malmaison
France
Tel: +33 1 34 80 27 71
euregulatory@energizer.com

1.4. Emergency telephone number

Emergency Telephone +44 1495 350234
Pondělí - Čtvrtek: 8.30 - 17.00
Pátek: 8.30 - 15.30

Národní telefonní číslo pro naléhavé situace	
Austria	Vergiftungsinformationszentrale Notruf-Telefon: +43 1 406 43 43
Belgium	Poison Control Centre, Belgique Tel: 070 245 245; Luxembourg Tel: (+352) 8002-5500
Czech Republic	Toxikologické informační středisko, Telefon: +420 224 919 293, +420 224 915 402 Na Bojišti 1, 128 08 Praha 2 E-mail: tis@vfn.cz
France	Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59
Germany	Poison Control Center - Charité - Universitätsmedizin Berlin, (+49) 30 30686700
Ireland	Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166
Italy	Roma – Tel: 06-68593726 (CAV “Osp. Pediatrico Bambino Gesù” Dip. Emergenza e Accettazione DEA) Roma – Tel: 06-3054343 (CAV Policlinico "A. Gemelli") Roma – Tel: 06-49978000 (CAV Policlinico "Umberto I") Foggia – Tel: 800183459 (Az. Osp. Univ. Foggia) Napoli – Tel: 081-5453333 (Az. Osp. "A. Cardarelli") Firenze – Tel: 055-7947819 (Az. Osp. "Careggi" U.O. Tossicologia Medica) Pavia – Tel: 0382-24444 (CAV Centro Nazionale di Informazione Tossicologica) Milano – Tel: 02-66101029 (Osp. Niguarda Ca' Granda) Bergamo – Tel: 800883300 (Azienda Ospedaliera Papa Giovanni XXII)

	Verona – Tel: 800011858 (Azienda Ospedaliera Integrata Verona)
Netherlands	Nationaal Vergiftigingen Informatie Centrum. Tel 030 274 88 88 (Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen)
Portugal	Centro de informação antivenenos. Tel 800 250 250
Spain	+34 91 562 04 20
Switzerland	Tox Info Suisse +41 44 251 51 51 (Emergency Number 145)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosols	Category 1 - (H222, H229)
Serious eye damage/eye irritation	Category 2 - (H319)

2.2. Label elements

Signal word
Danger

Hazard statements
H319 - Causes serious eye irritation.
H222 - Extremely flammable aerosol.
H229 - Pressurized container: May burst if heated.

Precautionary Statements - EU (§28, 1272/2008)
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
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.
P280 - Wear eye and face protection.
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/attention.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Označení detergentů
5 - < 15% Aliphatic hydrocarbons, < 5% EDTA and salts thereof, < 5% Non-ionic surfactants

2.3. Other hazards

The product does not contain any substance(s) classified as PBT or vPvB

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
2-(2-butoxyethoxy)ethanol 112-34-5	2.5 - <5%	-	203-961-6	Eye Irrit. 2 (H319)	-	-	-
dodecyl(dimethyl)aminoxid 1643-20-5	1 - <2.5%	-	216-700-6	Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411) Eye Dam. 1 (H318) Skin Irrit. 2 (H315)	-	-	-
ethylendiamintetraacetát tetrasodný 64-02-8	1 - <2.5%	01-2119486762-27-0000	200-573-9	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Eye Dam. 1 (H318) STOT RE 2 (H373)	-	-	-

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate
If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
2-(2-butoxyethoxy)ethanol 112-34-5	5660	2700	-	-	-
dodecyl(dimethyl)aminoxid 1643-20-5	2000	-	-	-	-
ethylendiamintetraacetát tetrasodný 64-02-8	1658	-	-	-	-

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact Wash skin with soap and water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	May cause redness and tearing of the eyes. Burning sensation.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated.
Hazardous combustion products	Thermal decomposition can lead to release of irritating gases and vapors.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray.
Other information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment	Keep out of drains, sewers, ditches and waterways. Stop leak if you can do it without risk. A

vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Flood with water to complete polymerization and scrape off floor.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use spark-proof tools and explosion-proof equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Keep in an area equipped with sprinklers. Do not puncture or incinerate cans. Contents under pressure. In case of rupture. Avoid breathing vapors or mists. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals.

Storage class (TRGS 510) Storage class 2B.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
2-(2-butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ STEL 15 ppm STEL 101.2 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³	STEL: 15 ppm STEL: 101.2 mg/m³ TWA: 10 ppm TWA: 67.5 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland

2-(2-butoxyethoxy)ethanol 112-34-5	STEL: 15 ppm STEL: 101.2 mg/m³ TWA: 10 ppm TWA: 67.5 mg/m³	TWA: 100 mg/m³ Ceiling: 100 mg/m³	TWA: 10 ppm TWA: 68 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³	TWA: 10 ppm TWA: 68 mg/m³

Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
2-(2-butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm TWA: 68 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³	TWA: 10 ppm TWA: 67 mg/m³	TWA: 67 mg/m³ TWA: 10 ppm Peak: 15 ppm Peak: 100.5 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³	TWA: 67.5 mg/m³ STEL: 101.2 mg/m³

Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
2-(2-butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³	TWA: 10 ppm TWA: 66 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³	TWA: 67.5 mg/m³ TWA: 10 ppm STEL: 101.2 mg/m³ STEL: 15 ppm

Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
2-(2-butoxyethoxy)ethanol 112-34-5	Peau* STEL: 15 ppm STEL: 101.2 mg/m³ TWA: 10 ppm TWA: 67.5 mg/m³	STEL: 15 ppm STEL: 101.2 mg/m³ TWA: 10 ppm TWA: 67.5 mg/m³	TWA: 50 mg/m³ STEL: 100 mg/m³ H*	TWA: 10 ppm TWA: 68 mg/m³ STEL: 20 ppm STEL: 102 mg/m³	STEL: 100 mg/m³ TWA: 67 mg/m³

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
2-(2-butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 101.2 mg/m³ STEL: 15 ppm	TWA: 67.5 mg/m³ TWA: 10 ppm STEL: 15 ppm STEL: 101.2 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ Ceiling: 101.2 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³

Chemical name	Sweden	Switzerland	United Kingdom
2-(2-butoxyethoxy)ethanol 112-34-5	NGV: 10 ppm NGV: 68 mg/m³ Bindande KGV: 15 ppm Bindande KGV: 101 mg/m³	TWA: 10 ppm TWA: 67 mg/m³ STEL: 15 ppm STEL: 101 mg/m³	TWA: 10 ppm TWA: 67.5 mg/m³ STEL: 15 ppm STEL: 101.2 mg/m³

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
2-(2-butoxyethoxy)ethanol 112-34-5	-	83 mg/kg bw/day [4] [6]	67.5 mg/m³ [4] [6] 67.5 mg/m³ [5] [6] 101.2 mg/m³ [5] [7]
dodecyl(dimethyl)aminoxid 1643-20-5	-	11 mg/kg bw/day [4] [6]	6.2 mg/m³ [4] [6]

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
2-(2-butoxyethoxy)ethanol 112-34-5	5 mg/kg bw/day [4] [6]	-	40.5 mg/m³ [4] [6] 40.5 mg/m³ [5] [6] 60.7 mg/m³ [5] [7]
dodecyl(dimethyl)aminoxid 1643-20-5	0.44 mg/kg bw/day [4] [6]	-	1.53 mg/m³ [4] [6]

[4] Systemic health effects.

[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
2-(2-butoxyethoxy)ethanol 112-34-5	1.1 mg/L	11 mg/L	0.11 mg/L	-	-
dodecyl(dimethyl)aminoxid 1643-20-5	0.0335 mg/L	0.0335 mg/L	0.00335 mg/L	0.00335 mg/L	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
2-(2-butoxyethoxy)ethanol 112-34-5	4.4 mg/kg sediment dw	0.44 mg/kg sediment dw	200 mg/L	0.32 mg/kg soil dw	56 mg/kg food
dodecyl(dimethyl)aminoxid 1643-20-5	5.24 mg/kg sediment dw	0.524 mg/kg sediment dw	24 mg/L	1.02 mg/kg soil dw	11.1 mg/kg food

8.2. Exposure controls

Engineering controls Eyewash stations. Showers. Ventilation systems. Apply technical measures to comply with the occupational exposure limits.

Personal protective equipment

Eye/face protection If there is a risk of contact:. Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

Hand protection For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

Environmental exposure controls Keep container closed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Aerosol
Appearance Opaque liquid

Color	white
Odor	Hydrocarbons
Odor threshold	No data available

Property	Values	Remarks • Method
Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flammability		No data available
Flammability Limit in Air		No data available
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Flash point		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
pH	10.95 - 11.45	koncentrovaný roztok
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Water solubility		No data available
Solubility(ies)		No data available
Partition coefficient		No data available
Vapor pressure		No data available
Relative density		No data available
Bulk density		No data available
Liquid Density		No data available
Relative vapor density		No data available
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No data available

9.2. Other information

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials None known.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-butoxyethoxy)ethanol	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
dodecyl(dimethyl)aminoxid	> 2000 mg/kg (Rat)	-	-
ethylendiamintetraacetát tetrasodný	= 1658 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

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.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-(2-butoxyethoxy)ethanol	EC50: >100mg/L (96h, Desmodesmus subspicatus)	LC50: =1300mg/L (96h, Lepomis macrochirus)	-	EC50: >100mg/L (48h, Daphnia magna)
dodecyl(dimethyl)aminoxid	-	LC50: =134mg/L (96h, Danio rerio)	-	-
ethylendiamintetraacetát tetrasodný	-	LC50: =41mg/L (96h, Lepomis macrochirus) LC50: =59.8mg/L (96h, Pimephales promelas)	-	-

12.2. Persistence and degradability

Persistence and degradability Surfaktanty obsažené v tomto produktu vyhovují požadavkům kritérií biologické odbouratelnosti uvedeným v nařízení (ES) č. 648/2004 týkající se detergentů.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
2-(2-butoxyethoxy)ethanol	1

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
2-(2-butoxyethoxy)ethanol	The substance is not PBT / vPvB
dodecyl(dimethyl)aminoxid	The substance is not PBT / vPvB
ethylendiamintetraacetát tetrasodný	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Waste codes / waste designations according to EWC According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

IATA

14.1 UN number or ID number UN1950
14.2 UN proper shipping name Aerosols, flammable
14.3 Transport hazard class(es) 2.1
14.4 Packing group Not regulated
Description UN1950, Aerosols, flammable, 2.1
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions A145, A167, A802
ERG Code 10L

IMDG

14.1 UN number or ID number UN1950
14.2 UN proper shipping name AEROSOLY
14.3 Transport hazard class(es) 2.1
14.4 Packing group Not regulated
Description UN1950, AEROSOLY, 2.1
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions 63,190, 277, 327, 344, 381, 959
EmS-No F-D, S-U
14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number	UN1950
14.2 UN proper shipping name	AEROSOLY
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
Description	UN1950, AEROSOLY, 2.1
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	190, 327, 344, 625
Classification code	5F

ADR

14.1 UN number or ID number	UN1950
14.2 UN proper shipping name	AEROSOLY
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
Description	UN1950, AEROSOLY, 2.1, (D)
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	190, 327, 344, 625
Classification code	5F
Tunnel restriction code	(D)

SECTION 15: Regulatory information

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

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
2-(2-butoxyethoxy)ethanol 112-34-5	RG 84

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
2-(2-butoxyethoxy)ethanol - 112-34-5	55. 75.	-
ethylendiamintetraacetát tetrasodný - 64-02-8	75.	-

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

P3a - FLAMMABLE AEROSOLS
P3b - FLAMMABLE AEROSOLS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories
Contact supplier for inventory compliance status

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Legend
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Flammable aerosol	On basis of test data

Key literature references and sources for data used to compile the SDS
U.S. Environmental Protection Agency ChemView Database
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
World Health Organization

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End of Safety Data Sheet