

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

1 Identification

- **Product Identifier**
- **Trade name: WALL CLEANER**
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description** Alkaline cleaner
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Kaady Chemical Corp.
2118 Adams St.
San Leandro, CA 94577
+1-510-562-9785
www.kaadychemical.com
- **Emergency telephone number:** +1-800-424-9300

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



GHS07

Acute Tox. 4 H302 Harmful if swallowed.
 Acute Tox. 4 H312 Harmful in contact with skin.
 Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements:**

- **GHS label elements**

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

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning

- **Hazard-determining components of labeling:**

2-butoxyethanol
 Sodium Nitrite

- **Hazard statements:**

H302+H312 Harmful if swallowed or in contact with skin.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

- **Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P264 Wash thoroughly after handling.

(Contd. on page 2)

US

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337 If eye irritation persists:
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values. 0 % of the mixture consists of component(s) of unknown toxicity.

Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)



Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

Chemical characterization: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

CAS: 9016-45-9	Nonylphenoxy poly(ethyleneoxy) ethanol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	<8%
CAS: 111-76-2 RTECS: KJ 8575000	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227	<8%

(Contd. on page 3)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

CAS: 1310-73-2	Sodium Hydroxide ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302	<5%
CAS: 7632-00-0	Sodium Nitrite ⚠ Ox. Sol. 3, H272; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H331; ⚠ Aquatic Acute 1, H400	<5%

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

Description of first aid measures:

After inhalation:

Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

After skin contact:

Take off contaminated clothing and shoes immediately. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.

After eye contact:

Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation or pain persists, get immediate medical attention and continue rinsing eyes during transport to hospital.

After swallowing:

Rinse mouth with water. Give 3-4 glasses of water or milk to dilute stomach contents. Do NOT induce vomiting. If vomiting occurs, give more water or milk. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Information for doctor:

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing agents:

CO2, sand, dry chemical, water mist or alcohol resistant foam.

Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture:

Carbon Oxides

Nitrogen Oxides (NOx)

Phosphorous Oxides

Sodium Oxides

Silicon Oxides

(Contd. on page 4)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

- **Advice for firefighters:**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**
Avoid formation of dust.
Avoid contact with skin, eyes and clothing.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the collected material according to regulations.
- **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.
- **Protective Action Criteria for Chemicals**

• **PAC-1:**

9016-45-9	Nonylphenoxypoly(ethyleneoxy)ethanol	43 mg/m ³
111-76-2	2-butoxyethanol	60 ppm
7758-29-4	Pentasodium triphosphate	0.61 mg/m ³
1310-73-2	Sodium Hydroxide	0.5 mg/m ³
1344-09-8	Sodium Silicate	5.9 mg/m ³
7632-00-0	Sodium Nitrite	6.4 mg/m ³

• **PAC-2:**

9016-45-9	Nonylphenoxypoly(ethyleneoxy)ethanol	470 mg/m ³
111-76-2	2-butoxyethanol	120 ppm
7758-29-4	Pentasodium triphosphate	6.8 mg/m ³
1310-73-2	Sodium Hydroxide	5 mg/m ³
1344-09-8	Sodium Silicate	65 mg/m ³
7632-00-0	Sodium Nitrite	71 mg/m ³

• **PAC-3:**

9016-45-9	Nonylphenoxypoly(ethyleneoxy)ethanol	5,400 mg/m ³
111-76-2	2-butoxyethanol	700 ppm
7758-29-4	Pentasodium triphosphate	620 mg/m ³
1310-73-2	Sodium Hydroxide	50 mg/m ³
1344-09-8	Sodium Silicate	390 mg/m ³
7632-00-0	Sodium Nitrite	240 mg/m ³

US

(Contd. on page 5)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
*Avoid breathing vapors or mist.
 Avoid contact with eyes, skin, or clothing.
 Use approved, original containers only.
 Keep containers closed when not in use.
 Do not expose containers to open flame, excessive heat, or direct sunlight.
 Do not puncture or drop containers.
 Handle with care and avoid spillage on the floor.
 Keep material out of reach of children.
 Keep material away from incompatible materials.
 Wash thoroughly after handling.
 Ensure adequate ventilation.*
- **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:** *No special requirements.*
- **Information about storage in one common storage facility:**
*Keep away from heat, sparks and flames.
 Do not store in direct sunlight.
 Store away from strong acids, strong reducing agents, strong oxidizing agents, organic materials, chlorinated solvents, reactive metals (Zinc & Aluminum) and their alloys (Brass), galvanized surfaces, Copper and its alloys, Nickel and its alloys, Alkali metals (Lithium, Sodium, Potassium, etc.), Tin & Tin oxides, Lead, Iron, Ammonia, Cyanides, Activated Carbon, Nitro compounds (Nitromethane, etc.), Azides, Anhydrides and Halogens.*
- **Further information about storage conditions:** *None.*
- **Specific end use(s):** *No further relevant information available.*

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** *No further data; see section 7.*
- **Control parameters:**
- **Components with occupational exposure limits:**
*The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
 At this time, the other constituents have no known exposure limits.*

111-76-2 2-butoxyethanol	
PEL	Long-term value: 240 mg/m ³ , 50 ppm Skin
REL	Long-term value: 24 mg/m ³ , 5 ppm Skin
TLV	Long-term value: 97 mg/m ³ , 20 ppm BEI

(Contd. on page 6)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

1310-73-2 Sodium Hydroxide

PEL	Long-term value: 2 mg/m ³
REL	Ceiling limit value: 2 mg/m ³
TLV	Ceiling limit value: 2 mg/m ³

Ingredients with biological limit values:

111-76-2 2-butoxyethanol

BEI	200 mg/g creatinine urine end of shift Butoxyacetic acid with hydrolysis
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Additional information: The lists that were valid during the creation of this SDS were used as basis.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Breathing equipment:



NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Neoprene, Nitrile or Buna Rubber.

Penetration time of glove material:

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

(Contd. on page 7)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

· **Eye protection:**



Safety glasses recommended.

9 Physical and Chemical Properties

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

· **General Information**

· **Appearance:**

· Form:	Liquid
· Color:	Clear amber
· Odor:	Glycol-Ether Like
· Odor threshold:	Not determined.

· **pH-value @ 20 °C (68 °F):** 11-12

· **Change in condition**

· Melting point/Melting range:	Not determined.
· Boiling point/Boiling range:	≥100 °C (≥212 °F)

· **Flash point:** None

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

· **Ignition temperature:** Not applicable

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

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

· **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· **Vapor pressure @ 20 °C (68 °F):** ≤23 hPa (≤17.3 mm Hg)

· **Density @ 20 °C (68 °F):** 1.085 g/cm³ (9.054 lbs/gal)

· **Relative density:** Not determined.

· **Vapor density @ 20 °C (68 °F):** 4.08 g/cm³ (34.048 lbs/gal)

· **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.

(Contd. on page 8)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

- **Solvent content:**
- **VOC content:** 57 g/L
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Incompatibilities, flames, ignition sources.
- **Incompatible materials:**
Peroxides, Nitric Acid, strong acids, strong reducing agents, strong oxidizing agents, organic materials, chlorinated solvents, reactive metals (Zinc & Aluminum) and their alloys (Brass), galvanized surfaces, Alkali metals (Lithium, Sodium, Potassium, etc.), Tin & Tin oxides, Lead, Ammonia, Cyanides, Activated Carbon, Nitro compounds (Nitromethane, etc.), Azides, Anhydrides and Halogens.
- **Hazardous decomposition products:**
No dangerous decomposition products known.
Carbon Oxides, Nitrogen Oxides (NOx), Phosphorous Oxides, Sodium Oxides and Silicon Oxides.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

9016-45-9 Nonylphenoxypoly(ethyleneoxy)ethanol		
Oral	LD50	3,310 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
111-76-2 2-butoxyethanol		
Oral	LD50	470 mg/kg (Rat)
Dermal	LD50	220 mg/kg (rab)
Inhalative	LC50/4 h	2,174.91 mg/l (Rat)
1310-73-2 Sodium Hydroxide		
Oral	LD50	2,000 mg/kg (Rat)
7632-00-0 Sodium Nitrite		
Oral	LD50	175 mg/kg (Mouse) 157.9 mg/kg (Rat)
Inhalative	LC50/96 hours	0.94-1.92 mg/l (Trout)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** Irritating effect.

(Contd. on page 9)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

- **Additional toxicological information:** Harmful
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
 - Group 1 - Carcinogenic to humans
 - Group 2A - Probably carcinogenic to humans
 - Group 2B - Possibly carcinogenic to humans
 - Group 3 - Not classifiable as to its carcinogenicity to humans
 - Group 4 - Probably not carcinogenic to humans

111-76-2	2-butoxyethanol	3
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· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

12 Ecological Information

· **Toxicity:**

· **Aquatic toxicity:**

9016-45-9 Nonylphenoxypoly(ethyleneoxy)ethanol

EC50	12 mg/l (Algae - <i>Selenastrum capricornutum</i>) (96 HOURS)
	0.148 mg/l (<i>Daphnia</i>) (48 hours)

111-76-2 2-butoxyethanol

EC50	1,815 mg/l (Water flea)
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1310-73-2 Sodium Hydroxide

EC50	40 mg/l (<i>Daphnia</i>)
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7632-00-0 Sodium Nitrite

EC50	12.5 mg/l (Water flea)
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- **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:**

Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.
 Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

· **Results of PBT and vPvB assessment:**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 10)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

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

13 Disposal Considerations

- **Waste treatment methods:**
- **Recommendation:**
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** *Non-Regulated Material*
- **UN proper shipping name:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** *Non-Regulated Material*
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** *Non-Regulated Material*
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** *Non-Regulated Material*
- **Environmental hazards:** *Not applicable.*
- **Special precautions for user:** *Not applicable.*
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** *Not applicable.*
- **UN "Model Regulation":** *Non-Regulated Material*

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

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

111-76-2	2-butoxyethanol
7758-29-4	Pentasodium triphosphate
7632-00-0	Sodium Nitrite

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

All ingredients are listed or exempt from listing.

(Contd. on page 11)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

• **California Proposition 65:**

• **Chemicals known to cause cancer:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

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

None of the ingredients are listed.

• **New Jersey Right-to-Know List:**

111-76-2 2-butoxyethanol

1310-73-2 Sodium Hydroxide

7632-00-0 Sodium Nitrite

• **New Jersey Special Hazardous Substance List:**

111-76-2 2-butoxyethanol

CA, F2

1310-73-2 Sodium Hydroxide

CO, R1

• **Pennsylvania Right-to-Know List:**

111-76-2 2-butoxyethanol

7758-29-4 Pentasodium triphosphate

1310-73-2 Sodium Hydroxide

7632-00-0 Sodium Nitrite

• **Pennsylvania Special Hazardous Substance List:**

7758-29-4 Pentasodium triphosphate

E

1310-73-2 Sodium Hydroxide

E

7632-00-0 Sodium Nitrite

E

• **Carcinogenic categories:**

• **EPA (Environmental Protection Agency):**

111-76-2 2-butoxyethanol

NL

• **TLV (Threshold Limit Value established by ACGIH):**

111-76-2 2-butoxyethanol

A3

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

None of the ingredients are listed.

• **GHS label elements**

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

• **Hazard pictograms:**



GHS07

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

- **Signal word:** Warning
- **Hazard-determining components of labeling:**
2-butoxyethanol
Sodium Nitrite
- **Hazard statements:**
H302+H312 Harmful if swallowed or in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
- **Precautionary statements:**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337 If eye irritation persists:
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **National regulations:**

None of the ingredients are listed.

-
- Chemical safety assessment:**
- A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

-
- Date of preparation / last revision:**
- 11/26/2017 / 6

• **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

(Contd. on page 13)

US

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/26/2017

Reviewed on 11/26/2017

Trade name: WALL CLEANER

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 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)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 VOC: Volatile Organic Compounds (USA, EU)
 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 and Health
 OSHA: Occupational Safety & Health Administration
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 BEI: Biological Exposure Limit
 Flam. Liq. 4: Flammable liquids – Category 4
 Ox. Sol. 3: Oxidizing solids – Category 3
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Corr. 1A: Skin corrosion/irritation – Category 1A
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

· * **Data compared to the previous version altered.**

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