



SAFETY DATA SHEET

DQ57 REV.00 del 13.03.13



REMOVER ROSAUTO 5.000 ML PP11-13 PR

Issued on 03/10/2021 - Rel. # 1 on 03/10/2021

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In conformity to Regulation (EU) 2020/878

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

1.1. Product identifier

Product code : REMOVER ROSAUTO 5.000 ML PP11-13 PR
UFI: M5F2-V0VJ-600N-DEXD

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

General cleaning cleaner

Sectors of use:

Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Product category:

Washing and Cleaning Products (including solvent based products)

Process categories:

Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact)[PROC5], Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities[PROC8A], Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities[PROC8B], Transfer of substance or preparation into small containers (dedicated filling line, including weighing)[PROC9], Treatment of articles by dipping and pouring[PROC13]

Uses advised against

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

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Az. Osp. Univ. Foggia Foggia V.le Luigi Pinto, 1 71122 tel 0881 732326

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SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS02, GHS05, GHS07

Hazard Class and Category Code(s):

Flam. Liq. 3, Skin Corr. 1, Skin Sens. 1B, Eye Dam. 1

Hazard statement Code(s):

H226 - Flammable liquid and vapour.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

The product is a liquid that ignites at temperatures above 21 °C if it exposed to an ignition source.

Corrosive product: causes severe skin burns and eye damage.

The product, if brought into contact with skin can cause skin sensitization.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS02, GHS05, GHS07 - Danger

Hazard statement Code(s):

H226 - Flammable liquid and vapour.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

Response

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363 - Wash contaminated clothing before reuse.

Storage

P403+P235 - Store in a well-ventilated place. Keep cool.

Contains:

ethanol, propan-2-ol, Sodium metasilicate, 2,4,7,9-tetrametildec-5-in-4,7-diolo

Content of VOC ready to use condition: 28,00 %

UFI: M5F2-V0VJ-600N-DEXD



2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII
The use of this chemical agent involves the obligation of "risk assessment" by the employer in accordance with the provisions of Legislative Decree n. 81 April 9, 2008. Workers exposed to this chemical agent should not be subject to health surveillance if the results of the risk assessment show that, depending on the type and amount of hazardous chemical agent and the method and frequency of exposure to the agent, you only a "moderate risk" for the health and safety of workers and that the measures envisaged in the same legislative decree are sufficient to reduce the risk.

SECTION 3. Composition/information on ingredients



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3.1 Substances

Irrelevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
2-Butoxyethanol	$\geq 10 < 20\%$	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H332	603-014-00-0	111-76-2	203-905-0	01-211947 5108-36-X XXX
ethanol	$\geq 5 < 10\%$	Flam. Liq. 2, H225; Eye Irrit. 2, H319	603-002-00-5	64-17-5	200-578-6	01-211945 7610-43-X XXX
propan-2-ol	$\geq 1 < 5\%$	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	603-117-00-0	67-63-0	200-661-7	01-211945 7558-25-X XXX
Sodium metasilicate	$\geq 1 < 5\%$	Met. Corr. 1, H290; Skin Corr. 1B, H314; STOT SE 3, H335	014-010-00-8	10213-79-3	229-912-9	01-211944 9811-37-X XXX
2,4,7,9-tetrametildec-5-in-4,7-diol o	$\geq 1 < 5\%$	Skin Sens. 1, H317; Skin Corr. 1B, H318; Aquatic Chronic 3, H412	ND	126-86-3	204-809-1	01-211995 4390-39-xx xx
ethylene glycol	$\geq 1 < 5\%$	Acute Tox. 4, H302; STOT RE 2, H373	603-027-00-1	107-21-1	203-473-3	01-211945 6816-28-X XXX
tetrasodium ethylene diamine tetraacetate	$\geq 1 < 5\%$	Acute Tox. 4, H302; Eye Dam. 1, H318; Acute Tox. 4, H332; STOT RE 2, H373	607-428-00-2	64-02-8	200-573-9	01-211948 6762-27-X XXX
sodium hydroxide	$\geq 0,5 < 1\%$	Met. Corr. 1, H290; Skin Corr. 1A, H314 Limits: Skin Corr. 1A, H314 %C ≥ 5 ; Skin Corr. 1B, H314 2 \leq %C < 5 ; Skin Irrit. 2, H315 0,5 \leq %C < 2 ; Eye Irrit. 2, H319 0,5 \leq %C < 2 ;	011-002-00-6	1310-73-2	215-185-5	01-211945 7892-27-X XXX

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.



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Consult a physician immediately

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Drink water with egg white; do not give bicarbonate.

Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

No data available.

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

If skin irritation or rash occurs: Get medical advice/attention.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

CO2 or dry powder extinguisher

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations



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6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

Do not smoke at work

At work do not eat or drink.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

Always store in well ventilated areas.

Never close the container tightly, leave a chance to vent

Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

7.3. Specific end use(s)

Public domain (administration, education, entertainment, services, craftsmen):

Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

2-Butoxyethanol:

TLV: (as TWA) 20 ppm A3 (recognized carcinogen for animals with unknown relevance for humans); (ACGIH 2004).

MAK: 20 ppm 98 mg / m³ Peak limitation category: II (4); skin absorption (H); Risk group for pregnancy: C; (DFG 20024).

ethanol:

TLV: 1000 ppm as TWA A4 (not classifiable as a human carcinogen); (ACGIH 2004).

MAK: 500 ppm 960 mg / m³ Peak limitation category: II (2); Carcinogenicity class: 5; Risk group for pregnancy: C;

Mutagenic group for germ cells: 5; (DFG 2004).

propan-2-ol:

TLV: 200 ppm as TWA 400 ppm as STEL A4 (not classifiable as a human carcinogen); (ACGIH 2004).

MAK: 200 ppm 500 mg / m³ Peak limitation category: II (2); Pregnancy risk group: C; (DFG 2004).

glicol etilenico

**** Not translated ****

sodium hydroxide:

TLV: 2 mg / m³ (Ceiling value) (ACGIH 2004).

- Substance: 2-Butoxyethanol



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DNEL

Systemic effects Long term Workers inhalation = 98 (mg/m³)
Systemic effects Long term Workers dermal = 125 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 59 (mg/m³)
Systemic effects Long term Consumers dermal = 75 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 6,3 (mg/kg bw/day)
Systemic effects Short term Workers inhalation = 1091 (mg/m³)
Systemic effects Short term Workers dermal = 89 (mg/kg bw/day)
Systemic effects Short term Consumers inhalation = 426 (mg/m³)
Systemic effects Short term Consumers dermal = 89 (mg/kg bw/day)
Systemic effects Short term Consumers oral = 26,7 (mg/kg bw/day)
Local effects Short term Workers inhalation = 246 (mg/m³)
Local effects Short term Consumers inhalation = 147 (mg/m³)

PNEC

Sweet water = 8,8 (mg/l)
sediment Sweet water = 34,6 (mg/kg/sediment)
Sea water = 0,88 (mg/l)
sediment Sea water = 3,46 (mg/kg/sediment)
intermittent emissions = 9,1 (mg/l)
STP = 463 (mg/l)
ground = 2,33 (mg/kg ground)
- Substance: ethanol

DNEL

Systemic effects Long term Workers inhalation = 950 (mg/m³)
Systemic effects Long term Workers dermal = 343 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 114 (mg/m³)
Systemic effects Long term Consumers dermal = 206 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 87 (mg/kg bw/day)

PNEC

Sweet water = 0,96 (mg/l)
sediment Sweet water = 3,6 (mg/kg/sediment)
Sea water = 0,79 (mg/l)
sediment Sea water = 2,9 (mg/kg/sediment)
STP = 580 (mg/l)
ground = 0,63 (mg/kg ground)
Air = 0,38 (mg/m³)

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

Duration of exposure per day 8 H

frequency of use 365 days/year

Conditions and measures related to personal protection, hygiene and health evaluation: Use appropriate protection for the eyes. (Wear suitable gloves tested to EN374 standard).

- Substance: propan-2-ol

DNEL

Systemic effects Long term Workers inhalation = 500 (mg/m³)
Systemic effects Long term Workers dermal = 888 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 89 (mg/m³)
Systemic effects Long term Consumers dermal = 319 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 26 (mg/kg bw/day)

PNEC

Sweet water = 140,9 (mg/l)
sediment Sweet water = 552 (mg/kg/sediment)
Sea water = 140,9 (mg/l)
sediment Sea water = 552 (mg/kg/sediment)
STP = 2251 (mg/l)
ground = 28 (mg/kg ground)
- Substance: Sodium metasilicate

DNEL

Systemic effects Long term Workers inhalation = 6,22 (mg/m³)



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Systemic effects Long term Workers dermal = 1,49 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 1,55 (mg/m³)
Systemic effects Long term Consumers dermal = 0,74 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 0,74 (mg/kg bw/day)

PNEC

Sweet water = 7,5 (mg/l)
Sea water = 1 (mg/l)
intermittent emissions = 7,5 (mg/l)
STP = 1000 (mg/l)

- Substance: ethylene glycol

DNEL

Systemic effects Long term Workers dermal = 106 (mg/kg bw/day)
Systemic effects Long term Consumers dermal = 53 (mg/kg bw/day)
Local effects Long term Workers inhalation = 35 (mg/m³)
Local effects Long term Consumers inhalation = 7 (mg/m³)

PNEC

Sweet water = 10 (mg/l)
sediment Sweet water = 37 (mg/kg/sediment)
Sea water = 1 (mg/l)
sediment Sea water = 3,7 (mg/kg/sediment)
intermittent emissions = 10 (mg/l)
ground = 1,53 (mg/kg ground)

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities [PROC8A]:

Duration of exposure per day 8 ORE

frequency of use 5 days/week

frequency of use 240 days/year

Technical conditions and measures to control dispersion from the source of workers: Provide forced ventilation (LEV) (efficiency: 80%)

Conditions and measures related to personal protection, hygiene and health evaluation: Ensure that the operation is not carried out by more than one worker.

Make sure that the operation does not run over your head.

Make sure that the control measures are regularly check and see.

If no LEV: use a respiratory protection. (Efficiency: 40%)

Other operational conditions affecting workers in the work: Use adequate eye protection.

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities [PROC8B]:

Duration of exposure per day 8 ORE

frequency of use 5 days/week

frequency of use 240 days/year

Conditions and measures related to personal protection, hygiene and health evaluation: Ensure that the operation is not carried out by more than one worker.

Make sure that the operation does not run over your head.

Make sure that the control measures are regularly check and see.

Other operational conditions affecting workers in the work: Use adequate eye protection.

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

Duration of exposure per day 8 ORE

frequency of use 5 days/week

frequency of use 240 days/year

Conditions and measures related to personal protection, hygiene and health evaluation: Ensure that the operation is not carried out by more than one worker.

Make sure that the operation does not run over your head.

Make sure that the control measures are regularly check and see.

Wear chemically resistant gloves (tested with EN374) in combination with a basic training of employees. (Efficiency: 90%)

Other operational conditions affecting workers in the work: Use adequate eye protection.

- Substance: tetrasodium ethylene diamine tetraacetate

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Systemic effects Long term Workers inhalation = 1,5 (mg/m³)

Systemic effects Long term Consumers oral = 25 (mg/kg bw/day)

Systemic effects Short term Workers inhalation = 3 (mg/m³)

Local effects Long term Consumers inhalation = 0,6 (mg/m³)

Local effects Short term Consumers inhalation = 1,2 (mg/m³)

PNEC

Sweet water = 2,2 (mg/l)

Sea water = 0,22 (mg/l)

STP = 43 (mg/l)

ground = 0,72 (mg/kg ground)

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact) [PROC5]:

Duration of exposure per day 480

frequency of use 5 days/week

Conditions and measures related to personal protection, hygiene and health evaluation: Forced ventilation Efficiency: 80%

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation into small containers (dedicated filling line, including weighing) [PROC9]:

Duration of exposure per day 480 MIN

frequency of use 5 days/week

Conditions and measures related to personal protection, hygiene and health evaluation: Forced ventilation Efficiency: 80%

- Substance: sodium hydroxide

DNEL

Local effects Long term Workers inhalation = 1 (mg/m³)

Local effects Long term Consumers inhalation = 1 (mg/m³)

8.2. Exposure controls

Appropriate engineering controls:

Public domain (administration, education, entertainment, services, craftsmen):

No specific monitoring foreseen

Individual protection measures:

(a) Eye / face protection

Wear mask

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Use adequate protective respiratory equipment (EN 14387:2008)

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.



SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	liquid	
Colour	colorless	



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Physical and chemical properties	Value	Determination method
Odour	characteristic	
Odour threshold	not determined	
pH (1:10)	13.0 ± 1.0	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	100 °C	
Flash point	non flammable	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	irrelevant	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	1	
Solubility	not determined	
Water solubility	soluble	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

Content of VOC ready to use condition: 28,00 %

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Avoid contact with combustible materials. The product could catch fire.
heat, open flames, sparks or hot surfaces.

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents.



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10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 2.500,0 mg/kg

ATE(mix) dermal = 6.111,1 mg/kg

ATE(mix) inhal = 57,9 mg/l/4 h

(a) acute toxicity: based on available data, the classification criteria are not met.

(b) skin corrosion/irritation Corrosive product: causes severe skin burns and eye damage.

(c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage. - If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

(d) respiratory or skin sensitization: The product, if brought into contact with skin can cause skin sensitization.

(e) germ cell mutagenicity: based on available data, the classification criteria are not met.

(f) carcinogenicity: based on available data, the classification criteria are not met.

(g) reproductive toxicity: based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.

(i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.

(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

2-Butoxyethanol:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation and through the skin and by ingestion.

INHALATION RISK: A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20 ° C.

EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system blood kidneys and liver

EFFECTS OF REPEATED OR LONG-TERM EXPOSURE: The liquid has degreasing characteristics on the skin.

ACUTE RISKS / SYMPTOMS

INHALATION Cough. Vertigo. Drowsiness. Headache. Nausea. Weakness.

CUTE CAN BE ABSORBED! Dry skin. (Also see Inhalation).

EYES Redness. Ache. Blurred vision.

INGESTION Abdominal pain. Diarrhea. Nausea. He retched. (Also see Inhalation).

ethanol:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapor and by ingestion.

INHALATION RISK: A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20 ° C.

EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the eyes. Inhalation of high concentrations of vapor may cause eye and respiratory tract irritation. The substance may cause effects on the central nervous system

EFFECTS OF REPEATED OR LONG-TERM EXPOSURE: The liquid has degreasing characteristics on the skin. The substance may have effects on the upper respiratory tract central nervous system, causing irritation, headache, tiredness and lack of concentration. See Notes.

ACUTE RISKS / SYMPTOMS

INHALATION Cough. Headache. Fatigue. Drowsiness.

SKIN Dry skin.

EYES Redness. Ache. Burn.

INGESTION Burning sensation. Headache. Confusion. Vertigo. Unconsciousness.

N O T E The consumption of ethanol during pregnancy can have adverse effects on the unborn child. Chronic ethanol ingestion can cause liver cirrhosis.



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LD50 (rat) Oral (mg/kg body weight) = 14000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 20000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 20000

propan-2-ol:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapor.

INHALATION RISK: A harmful contamination of the air will be reached rather slowly due to evaporation of the substance at 20 ° C; however, by spraying or dispersing, much faster.

EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the eyes and the respiratory tract. The substance may cause effects on the central nervous system, resulting in depression. Exposure far above the OEL can lead to a state of unconsciousness.

EFFECTS OF REPEATED OR LONG-TERM EXPOSURE: The liquid has degreasing characteristics of the skin.

ACUTE RISKS / SYMPTOMS

INHALATION Cough. Vertigo. Drowsiness. Headache. Sore throat. See Ingestion.

CUTE Dry skin.

EYES Redness.

INGESTION Abdominal pain. Breathing difficulty. Nausea. State of unconsciousness. He retched. (Also see Inhalation).

N O T E The use of alcoholic beverages enhances the harmful effect.

LD50 (rat) Oral (mg/kg body weight) = 2100

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2100

Sodium metasilicate:

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available.

LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:

Very hazardous in case of skin contact (irritant), of ingestion.

Hazardous in case of inhalation.

Slightly hazardous in case of skin contact (corrosive).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

glicol etilenico

**** Not translated ****

sodium hydroxide:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

INHALATION RISK: Evaporation at 20 ° C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

EFFECTS OF SHORT-TERM EXPOSURE: Corrosive. The substance is very corrosive to the eyes, the skin and the respiratory tract. Corrosive if swallowed. Inhalation of the aerosol of the substance may cause lung edema (see Notes).

EFFECTS OF REPEATED OR LONG-TERM EXPOSURE: Repeated or prolonged contact with the skin can cause dermatitis.

ACUTE RISKS / SYMPTOMS

INHALATION Corrosive. Burning sensation. Sore throat. Cough. Respiratory difficulty. Shortness of breath. Symptoms may show up late (see Notes).

SKIN Corrosive. Redness. Ache. Severe skin burns. Blisters.

EYES Corrosive. Redness. Ache. Blurred vision. Severe deep burns.

INGESTION Corrosive. Burning sensation. Abdominal pain. Shock or collapse.

N O T E The exposure limit value must not be exceeded at any time during the work exposure. Pulmonary edema symptoms often do not manifest themselves within a few hours and are aggravated by physical exertion. Rest and medical observation are therefore essential.

11.2. Information on other hazards

No data available.

SECTION 12. Ecological information



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12.1. Toxicity

Related to contained substances:

2-Butoxyethanol:

The product is completely miscible in water.

If it remains on the ground surface, it partially evaporates, but a significant rate persists for more than a day. Large volumes can penetrate the soil and contaminate the aquifers.

LC50 fish (*Leuciscus idus melanotus*), 48 h: 1880 mg / l

EC10 bacteria (*Pseudomonas putida*), 18 h: 500 mg / l

EC50 crustaceans (*Daphnia magna*), 24 h: 5000 mg / l

propan-2-ol:

The product is lighter than water and is completely miscible at 20 ° C.

It is dispersed by evaporation within a day. Large volumes can penetrate the ground and contaminate groundwater.

Sodium metasilicate:

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

glicol etilenico

**** Not translated ****

sodium hydroxide:

This substance can be dangerous for the environment; special attention must be paid to aquatic organisms.

Use according to good working practices, avoiding to disperse the product in the environment.

LC100 Fish *Leuciscus idus melanotus* 213mg / L 48h, Juhnke et al. (1978), Z Wasser Abwasser Forsch, 11, 161-164

LC50 Fish *Leuciscus idus melanotus* 189mg / L 48h, Juhnke et al. (1978), Z Wasser Abwasser Forsch, 11, 161-164

Use according to good working practices to avoid pollution into the environment.

Environmental Release Categories:

sodium hydroxide

tetrasodium ethylene diamine tetraacetate

ethylene glycol

Sodium metasilicate

propan-2-ol

ethanol

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation (charging/discharging) from/to ves- sels/large containers at non-dedicated facilities [PROC8A]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation (charging/discharging) from/to ves- sels/large containers at dedicated facili- ties [PROC8B]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by



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dipping and pouring [PROC13]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities [PROC8A]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities [PROC8B]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact) [PROC5]:

Formulation of preparations [ERC2]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation into small containers (dedicated filling line, including weighing) [PROC9]:

Formulation of preparations [ERC2]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities [PROC8A]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities [PROC8B]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Treatment of articles by dipping and pouring [PROC13]:

[ERC8a]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact) [PROC5]:

Formulation of preparations [ERC2]

*** Public domain (administration, education, entertainment, services, craftsmen) [SU22] - Transfer of substance or preparation into small containers (dedicated filling line, including weighing) [PROC9]:

Formulation of preparations [ERC2]

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6. Endocrine disrupting properties

No data available.



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12.7. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Operate according to local or national regulations

SECTION 14. Transport information

14.1. UN number

ADR/RID/IMDG/ICAO-IATA: 1993

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



14.2. UN proper shipping name

ADR/RID/IMDG: LIQUIDO INFIAMMABILE, N.A.S. (etanolo, Isopropanolo, sodio idrossido, 2-butossietanolo, Sodio metasilicato)

ADR/RID/IMDG: FLAMMABLE LIQUID, N.O.S. (ethanol, propan-2-ol, sodium hydroxide, 2-Butoxyethanol, Sodium metasilicate)

ICAO-IATA: FLAMMABLE LIQUID, N.O.S. (ethanol, propan-2-ol, sodium hydroxide, 2-Butoxyethanol, Sodium metasilicate)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 3

ADR/RID/IMDG/ICAO-IATA: Label : 3

ADR: Tunnel restriction code : E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-E, S-E

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Not

14.6. Special precautions for user

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of the agreement and the provisions A.D.R national regulations.

The transport must be carried out in the original packaging and in packages that are made from materials resistant to the content and not likely to generate with this dangerous reactions. Employees to the loading and unloading of dangerous goods have received proper training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations



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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

SECTION 15. Regulatory information

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

REMOVER ROSAUTO 5.000 ML PP11-13 PR REACH Annex 17 restriction: 3, 40

It Contains :

ethanol - REACH Annex 17 restriction: 3, 40

Seveso category:

P5c - FLAMMABLE LIQUIDS

REGULATION (EU) No 1357/2014 - waste:

HP8 - Corrosive

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H332 = Harmful if inhaled.

H225 = Highly flammable liquid and vapour.

H336 = May cause drowsiness or dizziness.

H290 = May be corrosive to metals.

H314 = Causes severe skin burns and eye damage.

H335 = May cause respiratory irritation.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H412 = Harmful to aquatic life with long lasting effects.

H373 = May cause damage to organs through prolonged or repeated exposure.

Classification based on data of all mixture components

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/EC and subsequent amendments

2. Directive 67/548/EEC and subsequent amendments and adjustments

3. Council Regulation (EC) 1907/2006 of the European Parliament (REACH)

4. Regulation (EC) 1272/2008 of the European Parliament (CLP)

5. Council Regulation (EC) no 2019/521 (XII Atp. CLP)

6. Council Regulation (EC) no 453/2010 of the European Parliament 7. The Merck Index And 10.

8. Handling Chemical Safety

9. Niosh Registry of Toxic Effects of Chemical Substances

10. INRS-Centre Piece

11. Patty-Industrial Hygiene and Toxicology

12. N.I. Sax-Dangerous properties of Industrial Materials-7 Ed., 1989

Note to the user:

the information in this tab are based on knowledge available to us on the date of the latest version.

The user must ensure the fitness and completeness of the information in relation to the specific use of the product.

You should not interpret it as a guarantee of any specific property of the product.

For the use of the product does not fall under our direct control, the obligation of the user to observe under their own liability laws and regulations on hygiene and safety. Do not assume liability for improper use.



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This tab replaces and cancels all previous

Geowin SDS rel. 10