

<p><b>Co.ind s.c.</b> Sede legale 40013 Castel Maggiore (BO) Via Saliceto, 22/H Tel. 051 63 28 511 Internet: <a href="http://www.coind.it">www.coind.it</a> E-mail: <a href="mailto:coind@coind.it">coind@coind.it</a></p>		<p><b>SCHEMA DI SICUREZZA</b> <b>PK 914 B SUPER</b> <b>DEGREASER</b> <b>(BULLET)</b></p>
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**Safety Data Sheet dated 6/7/2017, version 1**



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

### 1.1. Product identifier

Mixture identification:

Trade name: PK 914 B SUPER DEGREASER

Trade code: START-UP 400233 – REFILL BOX 400243

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

Recommended use:

Super degreaser for all surfaces.

PROFESSIONAL USE.

Uses advised against:

Do not use for purposes other than those listed.

### 1.3. Details of the supplier of the safety data sheet

Company:

Co. Ind. s.c.

Via Saliceto 22/H

40013 Castel Maggiore (BO) - ITALY

Tel. +39 051 6328511 - Fax +39 051 701152

Competent person responsible for the safety data sheet:

[allertasanificazione@coind.it](mailto:allertasanificazione@coind.it)

### 1.4. Emergency telephone number

Company emergency telephone number: Tel. +39 051 6328511 (h8.00 – 17.00).

Poison centers (h24):

Ospedale Niguarda Ca' Granda di Milano Tel. +39 02 66101029.

Ospedale Pediatrico Bambino Gesù di Roma Tel. +39 06 68593726

Az. Osp. Univ. Di Foggia Tel. +39 0881 732326

Az. Osp. A. Cardarelli di Napoli Tel. +39 081 7472870

Policlinico Umberto I di Roma Tel. +39 06 49978000

Policlinico A. Gemelli di Roma Tel. +39 06 3054343

Az. Osp. Careggi U.O. Tossicologia Medica di Firenze Tel. +39 055 7947819

Centro Nazionale di Informazione Tossicologica di Pavia Tel. +39 0382 24444

Azienda Ospedaliera Papa Giovanni XXII di Bergamo Tel. +39 800883300

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Skin Corr. 1B, H314 Causes severe skin burns and eye damage.

Eye Dam. 1, H318 Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

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## 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P260 Do not breathe spray.

P280 Wear protective gloves and eye/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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

P310 Immediately call a POISON CENTER or a doctor.

P501 Dispose of container in accordance with local regulation.

Special Provisions:

None

Contains

1-AMINOPROPAN-2-OL

QUATERNARY AMMONIUM COMPOUNDS, C12-14-ALKYLTRIMETHYL, ME SULFATES

FATTY AMINE DERIVATIVE

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

Ingredients (Reg. EC n.648/2004):

5–15% Cationic surfactants, non-ionic surfactants.

<5% EDTA.

## 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards


## SECTION 3: Composition/information on ingredients

### 3.1. Substances


















Not applicable

### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
25 - 30 %	1-AMINOPROPAN-2-OL; ISOPROPANOLAMINE	Index number: 603-082-00-1 CAS: 78-96-6	 3.2/1B Skin Corr. 1B H314

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		EC: 201-162-7 REACH No.: 01-2119475331-43	
7 - 10 %	(2-METHOXYMETHYLETH OXY)PROPANOL	CAS: 34590-94-8 EC: 252-104-2 REACH No.: 01-2119450011-60	Substance with a Union workplace exposure limit.
5 - 7 %	AMINES, COCO ALKYL DIMETHYL, N-OXIDES	CAS: 61788-90-7 EC: 263-016-9	 3.2/2 Skin Irrit. 2 H315  3.3/1 Eye Dam. 1 H318  4.1/A1 Aquatic Acute 1 H400
5 - 7 %	QUATERNARY AMMONIUM COMPOUNDS, C12-14-ALKYL TRIMETHYL, ME SULFATES	CAS: 96690-44-7 EC: 306-238-4	 3.1/4/Oral Acute Tox. 4 H302  3.2/1B Skin Corr. 1B H314  3.3/1 Eye Dam. 1 H318  4.1/A1 Aquatic Acute 1 H400
4 - 6 %	TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	Index number: 607-428-00-2 CAS: 64-02-8 EC: 200-573-9 REACH No.: 01-2119486762-27	 3.1/4/Inhal Acute Tox. 4 H332  3.3/1 Eye Dam. 1 H318  3.1/4/Oral Acute Tox. 4 H302
1- 3 %	ETHANOL, 2,2'-IMINOBIS, N-TALLOW ALKYL DERIVS.	CAS: 61791-44-4 EC: 263-177-5	 3.1/4/Oral Acute Tox. 4 H302  3.3/2 Eye Irrit. 2 H319  4.1/A1 Aquatic Acute 1 H400
1 - 3 %	FATTY AMINE DERIVATIVE		 3.1/4/Oral Acute Tox. 4 H302  3.2/1A Skin Corr. 1A H314  3.3/1 Eye Dam. 1 H318  4.1/A1 Aquatic Acute 1 H400

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

After contact with skin, wash immediately with soap and plenty of water.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

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In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

No data available for the mixture. See section 11 for symptoms and effects of the substances.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Treat symptomatically.

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## SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet.

Carbon dioxide (CO<sub>2</sub>).

Powder.

Foam.

Extinguishing media which must not be used for safety reasons:

Water jets.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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## SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

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## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from open flames, sparks, hot surfaces. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

See paragraph 10 below.

Instructions as regards storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Sgrassatore

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## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

(2-methoxymethylethoxy)propanol - CAS: 34590-94-8

TLV TWA - 100 ppm (skin)

TLV STEL - 150 ppm (skin)

TWA(8h): 10 ppm - STEL: 30 ppm - Notes: Dow IHG (skin)

OEL UE 8h - 308 mg/m<sup>3</sup> - 50 ppm (skin)

#### DNEL Exposure Limit Values

1-aminopropan-2-ol; isopropanolamine - CAS: 78-96-6

Worker Industry: 3.5 mg/kg - Consumer: 1.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 4.5 mg/m<sup>3</sup> - Consumer: 1.1 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 0.4 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

(2-methoxymethylethoxy)propanol - CAS: 34590-94-8

Worker Industry: 283 mg/kg bw/d - Consumer: 121 mg/kg bw/d - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 308 mg/m<sup>3</sup> - Consumer: 37.2 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 36 mg/kg bw/d - Exposure: Human Oral - Frequency: Long Term, systemic effects

tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8

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Worker Industry: 2.5 mg/m<sup>3</sup> - Consumer: 1.5 mg/m<sup>3</sup> - Exposure: Human Inhalation  
- Frequency: Long Term, systemic effects

Worker Industry: 2.5 mg/m<sup>3</sup> - Consumer: 1.5 mg/m<sup>3</sup> - Exposure: Human Inhalation  
- Frequency: Short Term, systemic effects

Consumer: 25 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

**PNEC Exposure Limit Values**

- 1-aminopropan-2-ol; isopropanolamine - CAS: 78-96-6
  - Target: Fresh Water - Value: 0.0327 mg/l
  - Target: Marine water - Value: 0.00327 mg/l
  - Target: Soil (agricultural) - Value: 0.0161 mg/kg
  - Target: Microorganisms in sewage treatments - Value: 3.3 mg/l
  - Target: Freshwater sediments - Value: 0.177 mg/kg
- (2-methoxymethylethoxy)propanol - CAS: 34590-94-8
  - Target: Fresh Water - Value: 19 mg/l
  - Target: Marine water - Value: 1.9 mg/l
  - Target: Intermittent releases - Value: 190 mg/l
  - Target: STP - Value: 4168 mg/l
  - Target: Freshwater sediments - Value: 70.2 mg/kg
  - Target: Marine water sediments - Value: 7.02 mg/kg
  - Target: Soil - Value: 2.74 mg/kg
- tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8
  - Target: Fresh Water - Value: 2.2 mg/l
  - Target: Marine water - Value: 0.22 mg/l
  - Target: Intermittent releases - Value: 1.2 mg/l
  - Target: Soil (agricultural) - Value: 0.72 mg/kg
  - Target: Microorganisms in sewage treatments - Value: 43 mg/l

**8.2. Exposure controls**

General health and safety measures:

Handle according to good industrial hygiene and safety practice, avoid contact with eyes and skin. Since the concentrated product is diluted in a closed system/process, in which the operator does not come into direct contact with the concentrated product, the use of special personal protective equipment is not required.

We always recommend the operator uses good industrial hygiene practices. Train the personnel.

Safety measures recommended for handling the undiluted product:

- HAND PROTECTION: Not required under normal conditions of use
- EYE PROTECTION: Not required under normal conditions of use
- SKIN PROTECTION: Not required under normal conditions of use
- RESPIRATORY PROTECTION: Not required under normal conditions of use

Further to accidental bullet breakage, handle according to adequate good industrial hygiene and safety practice

Safety measures recommended for handling the diluted product:

HAND PROTECTION: In case of contact with the product, rinse hands after use. In the event of prolonged and/or repetitive use or individual sensitivity to the product, it may be appropriate to protect the hands

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EYE PROTECTION: Not required under normal conditions of use

SKIN PROTECTION: Not required under normal conditions of use

RESPIRATORY PROTECTION: Not required under normal conditions of use

ENVIRONMENTAL EXPOSURE CONTROLS: For information on environmental exposure controls, refer to the exposure scenarios (see Section 16 of this document).

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	Yellowish clear liquid	--	--
Odour:	characteristic	--	--
Odour threshold:	Not Relevant	--	--
pH:	11,4 - 11,8	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	Not Relevant	--	--
Flash point:	> 60 ° C	--	--
Evaporation rate:	Not Relevant	--	--
Solid/gas flammability:	not applicable (liquid)	--	--
Upper/lower flammability or explosive limits:	Not Relevant	--	--
Vapour pressure:	Not Relevant	--	--
Vapour density:	Not Relevant	--	--
Relative density:	1.030 - 1.042 g/ml	--	--
Solubility in water:	soluble	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	--
Auto-ignition temperature:	not applicable	--	--
Decomposition temperature:	Not Relevant	--	--
Viscosity:	Not Relevant	--	--
Explosive properties:	not explosive	--	--
Oxidizing properties:	non-oxidizing	--	--

### 9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	Not Relevant	--	--
Fat Solubility:	Not Relevant	--	--

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

In normal condition of use and storage (see section 7) dangerous reactions are not expected.

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

In normal condition of use and storage dangerous reactions are not expected . Avoid contact with incompatible substances.

### 10.4. Conditions to avoid

Avoid overheating, electrostatic discharge and all sources of ignition.

### 10.5. Incompatible materials

Oxidizing agents, acids, alkalis.

### 10.6. Hazardous decomposition products

In case of fire or decomposition may spread gas and vapors potentially harmful for health as CO<sub>2</sub>, carbon mono-oxide and other irritating fumes.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicological information of the product:

#### a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

#### b) skin corrosion/irritation

The product is classified: Skin Corr. 1B H314

#### c) serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

#### d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

#### e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

#### f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

#### g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

#### h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

#### i) STOT-repeated exposure

Not classified



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Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

1-aminopropan-2-ol; isopropanolamine - CAS: 78-96-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2813 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 1851 mg/kg

Test: LD50 - Route: Inhalation - Species: Rat Negative

b) skin corrosion/irritation:

Test: Skin Corrosive Positive

c) serious eye damage/irritation:

Test: Eye Corrosive Positive

e) germ cell mutagenicity:

Test: Mutagenesis Negative

g) reproductive toxicity:

Test: Reproductive Toxicity Negative

Test: Reproductive Toxicity Positive

h) STOT-single exposure:

Test: Acute toxicity Positive

i) STOT-repeated exposure:

Test: Chronic toxicity Positive

(2-methoxymethylethoxy)propanol - CAS: 34590-94-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 9510 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 3.35 mg/l - Duration: 7h - Notes:  
Vapour

b) skin corrosion/irritation:

Test: Skin Irritant Negative

c) serious eye damage/irritation:

Test: Eye Irritant Mild irritation

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Man Negative

e) germ cell mutagenicity:

Test: Mutagenesis Negative

f) carcinogenicity:

Test: Carcinogenicity Negative

g) reproductive toxicity:

Test: Reproductive Toxicity Negative

i) STOT-repeated exposure:

Test: Chronic toxicity Negative - Notes: Symptoms of excessive exposure may be  
anesthetic or narcotic effects: dizziness and drowsiness may occur.

AMINES, COCO ALKYL DIMETHYL, N-OXIDES - CAS: 61788-90-7

a) acute toxicity:

Test: LC50 - Route: Oral - Species: Rat > 2000 mg/kg

tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg - Notes: Test BASF (sol. 40%)

Test: LD50 - Route: Oral - Species: Rat > 1780 mg/kg - Notes: Test BASF (solid)

Test: LC50 - Route: Inhalation - Species: Rat > 1000 mg/m<sup>3</sup> - Duration: 6h - Notes: OECD 403 (similar substances)

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Negative

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Positive - Notes: Test BASF (sol. 40%)

Test: Eye Corrosive - Species: Rabbit Positive - Notes: Test BASF (solid)

d) respiratory or skin sensitisation:

Test: Skin Sensitization Negative

e) germ cell mutagenicity:

Test: Mutagenesis Negative

f) carcinogenicity:

Test: Carcinogenicity Negative

g) reproductive toxicity:

Test: Reproductive Toxicity Negative

h) STOT-single exposure:

Test: Acute toxicity Negative

i) STOT-repeated exposure:

Test: Chronic toxicity Negative

ETHANOL, 2,2'-IMINO BIS, N-TALLOW ALKYL DERIVS.- CAS: 61791-44-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 500-2000 mg/kg

FATTY AMINE DERIVATIVE

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 200-2000 mg/kg

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## **SECTION 12: Ecological information**

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Not classified for environmental hazards

Based on available data, the classification criteria are not met

1-aminopropan-2-ol; isopropanolamine - CAS: 78-96-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 215 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 108.8 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 32.7 mg/l - Duration h: 72

- c) Bacteria toxicity:  
Endpoint: EC10 - Species: MICRORG > 261 mg/l - Duration h: 0.5  
(2-methoxymethylethoxy)propanol - CAS: 34590-94-8
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish (Poecilia reticulata) > 1000 mg/l - Duration h: 96 - Notes: OECD 203  
Endpoint: LC50 - Species: Daphnia magna = 1919 mg/l - Duration h: 48 - Notes: OECD 202  
Endpoint: ErC50 - Species: Algae (Pseudokirchneriella subcapitata) > 969 mg/l - Duration h: 96 - Notes: OECD 201
- b) Aquatic chronic toxicity:  
Endpoint: NOEC - Species: Daphnia magna > 0.5 mg/l - Duration h: 528
- c) Bacteria toxicity:  
Endpoint: EC10 - Species: Pseudomonas putida = 4168 mg/l - Duration h: 18  
AMINES, COCO ALKYL DIMETHYL, N-OXIDES - CAS: 61788-90-7
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish 0.1-1 mg/l - Duration h: 96  
Quaternary ammonium compounds, C12-14-alkyltrimethyl, Me sulfates - CAS: 96690-44-7
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish 0.1-1 mg/l - Duration h: 96  
tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48  
Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72
- b) Aquatic chronic toxicity:  
Endpoint: NOEC - Species: Fish = 36.9 mg/l - Duration h: 840  
Endpoint: NOEC - Species: Daphnia = 25 mg/l - Duration h: 504  
ETHANOL, 2,2'-IMINOBIS, N-TALLOW ALKYL DERIVS. - CAS: 61791-44-4
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish > 0.1 mg/l - Duration h: 96  
FATTY AMINE DERIVATIVE
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish > 0.1-1 mg/l - Duration h: 96
- 12.2. Persistence and degradability
- 1-aminopropan-2-ol; isopropanolamine - CAS: 78-96-6  
Biodegradability: Readily biodegradable
- (2-methoxymethylethoxy)propanol - CAS: 34590-94-8  
Biodegradability: Readily biodegradable - Test: OECD 301F - Duration h: 28 days - %: 75
- AMINES, COCO ALKYL DIMETHYL, N-OXIDES - CAS: 61788-90-7  
Biodegradability: Readily biodegradable
- Quaternary ammonium compounds, C12-14-alkyltrimethyl, Me sulfates - CAS: 96690-44-7  
Biodegradability: Readily biodegradable
- tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8

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## SCHEMA DI SICUREZZA

### PK 914 B SUPER DEGREASER (BULLET)

- Biodegradability: Not readily biodegradable  
ETHANOL, 2,2'-IMINOBIS, N-TALLOW ALKYL DERIVS.- CAS: 61791-44-4  
Biodegradability: Readily biodegradable  
FATTY AMINE DERIVATIVE  
Biodegradability: Readily biodegradable
- 12.3. Bioaccumulative potential  
(2-methoxymethylethoxy)propanol - CAS: 34590-94-8  
Low bioaccumulative - Test: Log Pow 3  
tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8  
Low bioaccumulative - Test: BCF - Bioconcentration factor 1.8 - Duration h: 28 days
- 12.4. Mobility in soil  
(2-methoxymethylethoxy)propanol - CAS: 34590-94-8  
Mobile - Test: Koc 0.28
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None

## SECTION 13: Disposal considerations

- 13.1. Waste treatment methods  
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

## SECTION 14: Transport information



- 14.1. UN number  
ADR-UN Number: 3267  
IATA-UN Number: 3267  
IMDG-UN Number: 3267
- 14.2. UN proper shipping name  
ADR-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1-aminopropan-2-ol)  
IATA-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1-aminopropan-2-ol)  
IMDG-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1-aminopropan-2-ol)
- 14.3. Transport hazard class(es)  
ADR-Class: 8



ADR-Label:	8	
ADR - Hazard identification number:	80	
IATA-Class:	8	
IATA-Label:	8	
IMDG-Class:	8	
14.4. Packing group		
ADR-Packing Group:	II	
IATA-Packing group:	II	
IMDG-Packing group:	II	
14.5. Environmental hazards		
ADR-Environmental Pollutant:	Yes	
IMDG-Marine pollutant:	Marine Pollutant	
14.6. Special precautions for user		
ADR-Subsidiary risks:	-	
ADR-S.P.:	274	
ADR-Transport category (Tunnel restriction code):		(E)
IATA-Passenger Aircraft:	851	
IATA-Subsidiary risks:	-	
IATA-Cargo Aircraft:	855	
IATA-S.P.:	A3 A803	
IATA-ERG:	8L	
IMDG-EmS:	F-A , S-B	
IMDG-Subsidiary risks:	-	
IMDG-Stowage and handling:	Category B	
IMDG-Segregation:	Clear of living quarters. "Separated from" acids.	
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code		
Not applicable		

## **SECTION 15: Regulatory information**

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

- Dir. 98/24/EC (Risks related to chemical agents at work)
- Dir. 2000/39/EC (Occupational exposure limit values)
- Regulation (EC) n. 1907/2006 (REACH)
- Regulation (EC) n. 1272/2008 (CLP)
- Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
- Regulation (EU) 2015/830
- Regulation (EU) n. 286/2011 (ATP 2 CLP)
- Regulation (EU) n. 618/2012 (ATP 3 CLP)
- Regulation (EU) n. 487/2013 (ATP 4 CLP)
- Regulation (EU) n. 944/2013 (ATP 5 CLP)
- Regulation (EU) n. 605/2014 (ATP 6 CLP)
- Regulation (EU) n. 2015/1221 (ATP 7 CLP)

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Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

1-aminopropan-2-ol; isopropanolamine

tetrasodium ethylene diamine tetracetate

## SECTION 16: Other information

Full text of phrases referred to in Section 3:

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
Skin Corr. 1B, H314	Calculation method
Eye Dam. 1, H318	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Exposure scenarios must be obtained from the following addresses:

[mrimessi@coind.it](mailto:mrimessi@coind.it) / [rdsanificazione@coind.it](mailto:rdsanificazione@coind.it).

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.

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STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWA: Time-weighted average  
WGK: German Water Hazard Class.