

# Safety Data Sheet

## AGGRESSOL A40



Safety Data Sheet dated 30/11/2015, version 1  
In compliance with Regulation (EC) 453/2010

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

#### 1.1. Product identifier

Mixture identification:

Trade name: AGGRESSOL A40

Product type: Alkaline cleaner

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

Recommended use:

Washing and cleaning products (including solvent based products)

Uses advised against:

None in particular

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

Supplier:

TURCO ITALIANA SpA, Via Artigianale, 29 - 25010 Montirone (Brescia) - Italy - tel. ++39-030-267443 - fax. ++39-030-2677137 e-mail:info@turco.it

Competent person responsible for the safety data sheet:

info@turco.it

#### 1.4. Emergency telephone number

TURCO ITALIANA SpA, - Italy - tel. ++39-030-267443 - fax. ++39-030-2677137

e-mail:info@turco.it (From Monday to Friday from 8:00 to 12:00 and from 13:30 to 17:00)

A list of Poison Control Centers is available at the following link:

[http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres/en/](http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Danger, Eye Dam. 1, Causes serious eye damage.

 Danger, Repr. 1B, May damage fertility or the unborn child.

Adverse physicochemical, human health and environmental effects:

The product is harmful following acute exposure to it and poses a serious health threat if ingested.

If brought into contact with the eyes, the product causes considerable irritation which can last for over 24 hours.

This product is toxic - it can impair human fertility.

This product is toxic - it can be injurious to the foetus.

#### 2.2. Label elements

EC regulation criteria 1272/2008 (CLP)

Symbols:



Danger

Hazard statements:

H318 Causes serious eye damage.

H360 May damage fertility or the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/clothing and eye/face protection.

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

P308+P313 IF exposed or concerned: Get medical advice/attention.

P310 Immediately call a POISON CENTER or doctor.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

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None

Contents:

Borax Pentahydrate  
Fatty alcohol (C13) ethoxylated  
Alcohol (C9-11) polyglycoether

Special provisions according to Annex XVII of REACH and subsequent amendments:  
Restricted to professional users.

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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### 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:

30-50 % Borax Pentahydrate

REACH N° 01-2119490790-32-XXXX, Index number: 005- 011-02-9, CAS: 12179-04-3,  
EC: 215-540-4

 3.7/1B Repr. 1B H360

 3.3/2 Eye Irrit. 2 H319

1-5 % Sodium nitrate

REACH N° 01-2119488221-41-XXXX, CAS: 7631-99-4, EC : 231-554-3

 2.13/2 Ox. Liq. 2 H272

 3.3/2 Eye Irrit. 2 H319

1-5 % Fatty alcohol (C13) ethoxylated

CAS: 6911-36-5

 3.1/4/Oral Acute Tox. 4 H302

 3.3/1 Eye Dam. 1 H318

1-5 % Sodium nitrite

REACH N° 01-2119471836-27-XXXX, Index number: 007- 010-00-4, CAS: 7632-00-0,  
EC: 231-555-9

 2.14/3 Ox. Sol. 3 H272

 3.3/2 Eye Irrit. 2 H319

 4.1/A1 Aquatic Acute 1 H400

 3.1/3/Oral Acute Tox. 3 H301

1-5 % 2-(2-butoxyethoxy)ethanol

REACH N° 01-2119475104-44-XXXX, Index number: 603- 096-00-8, EC: 203-961-6

 3.3/2 Eye Irrit. 2 H319

1-5 % Alcohol (C9-11) polyglycoether

CAS: 68439-46-3

 3.1/4/Oral Acute Tox. 4 H302

 3.3/1 Eye Dam. 1 H318

0.1-1.0 % Dodecyldimethylamine-oxide

CAS: 1643-20-5, EC: 216-700-6

 3.1/4/Oral Acute Tox. 4 H302

 3.2/2 Skin Irrit. 2 H315

 3.3/1 Eye Dam. 1 H318

 4.1/A1 Aquatic Acute 1 H400

SVHC Substances:

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30-50 % Borax Pentahydrate

REACH N° 01-2119490790-32-XXXX, Index number: 005- 011-02-9, CAS: 12179-04-3,

EC: 215-540-4

Substance SVHC

Declaration of ingredients according to Detergent Regulation 648/2004:

Phosphates	> 30 %
Non-ionic surfactants	5 - 15 %
Amphoteric surfactants	< 5 %

For the complete text of the hazard and risk phrases refer to paragraph 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

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.

In case of Ingestion:

Give nothing to eat or drink.

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

None

#### 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:

None

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

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

Extinguishing media which must not be used for safety reasons:

None in particular.

#### 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 all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

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- 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
- 

### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Exercise the greatest care when handling or opening the container.  
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 food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.
- 7.3. Specific end use(s)  
Detergente alcalino per leghe leggere  
For more information see Technical data bulletin
- 

### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters  
Contained substances  
Borax Pentahydrate - CAS: 12179-04-3  
ACGIH - LTE mg/m<sup>3</sup>(8h): 2 - STE mg/m<sup>3</sup>(15min): 6 - Notes: Inhalable fraction, A4  
- Critical effects: Upper respiratory tract irritation.
- 2-(2-butoxyethoxy)ethanol - Index number: 603-096-00-8  
OEL - LTE mg/m<sup>3</sup>(8h): 67.5 - LTE ppm: 10 - STE mg/m<sup>3</sup>(15min): 101.2 - STE ppm: 15 - Behaviour: Binding
- DNEL Exposure Limit Values  
Sodium nitrate - CAS: 7631-99-4  
Worker Professional: 36.7 mg/m<sup>3</sup> - Consumer: 10.9 - U.M.: mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Professional: 20.8 mg/kg - Consumer: 12.5 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 12.5 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects
- 2-(2-butoxyethoxy)ethanol - Index number: 603-096-00-8  
Worker Professional: 67.5 mg/m<sup>3</sup> - Consumer: 34 - U.M.: mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
Worker Professional: 101.2 mg/m<sup>3</sup> - Consumer: 50.6 - U.M.: mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Professional: 20 mg/kg - Exposure: Human Dermal - Frequency: Long Term, local effects  
Consumer: 10 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 34 - U.M.: mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

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Consumer: 1.25 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

#### PNEC Exposure Limit Values

Sodium nitrate - CAS: 7631-99-4

Target: Fresh Water - Value: 0.45 mg/l

Target: Marine water - Value: 0.045 mg/l

Target: Occasional issue - Value: 4.5 mg/l

Target: Sewerage treatment plants - Value: 18 mg/l

Sodium nitrite - CAS: 7632-00-0

Target: Fresh Water - Value: 0.0054 mg/l

Target: Marine water - Value: 0.00616 mg/l

Target: Occasional issue - Value: 0.0054 mg/l

Target: Freshwater sediments - Value: 0.0195 mg/kg

Target: Marine water sediments - Value: 0.0223 mg/l

Target: Sewerage treatment plants - Value: 21 mg/l

Target: Soil - Value: 0.000733 mg/kg

2-(2-butoxyethoxy)ethanol - Index number: 603-096-00-8

Target: Fresh Water - Value: 1 mg/l

Target: Marine water - Value: 0.1 mg/l

Target: Occasional issue - Value: 3.9 mg/l

Target: Freshwater sediments - Value: 4 mg/kg

Target: Soil - Value: 0.4 mg/kg

#### 8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

## SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes:
Appearance and colour:	White wet granular powder	--	--
Odour:	n.av.	--	--
Odour threshold:	n.av. mg/m3	--	--
pH:	9	--	Solution 3.5%
Melting point / freezing point:	Initial 360 °C	--	--

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Initial boiling point and boiling range:	na °C	--	--
Flash point:	na °C	--	--
Evaporation rate:	na	--	--
Solid/gas flammability:	n.av.	--	--
Upper/lower flammability or explosive limits:	na % v/v	--	--
Vapour pressure:	na kPa	--	--
Vapour density (air=1):	na	--	--
Relative density:	n.av. g/ml	--	--
Solubility in water:	Complete in conditions of use	--	--
Solubility in oil:	na	--	--
Partition coefficient (n-octanol/water):	na	--	--
Auto-ignition temperature:	It doesn't self-ignite °C	--	--
Decomposition temperature:	It does not decompose °C	--	--
Viscosity:	na mPa.s	--	--
Explosive properties:	Not explosive	--	--
Oxidizing properties:	Not oxidant	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	na	--	--
Fat Solubility:	na	--	--
Conductivity:	na	--	--
Substance Groups relevant properties:	n.av.	--	--

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

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- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological information of the product:  
Not applicable

Toxicological information of the main substances found in the mixture:

Borax Pentahydrate - CAS: 12179-04-3

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 3200 - U.M.: mg/kg

Test: LD50 - Route: Skin - Species: Rabbit - Op.: > - Value: 2000 - U.M.: mg/kg

Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 2 - U.M.: mg/m<sup>3</sup>

Type: g) reproductive toxicity:

Test: Reproductive Toxicity - Route: Oral - Species: Mouse - Op.: = - Value: 9.6 - U.M.: mg/kg - Source: As B in borax

Sodium nitrate - CAS: 7631-99-4

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 3430 - U.M.: mg/kg

Test: LD50 - Route: Skin - Species: Rat - Op.: > - Value: 5000 - U.M.: mg/kg - Notes: OECD 402

Fatty alcohol (C13) ethoxylated - CAS: 6911-36-5

Type: a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rat - Op.: > - Value: 2000 - U.M.: mg/kg

Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 300 - U.M.: mg/kg

Test: LD50 - Route: Oral - Species: Rat - Op.: -1 - Value: 2000 - U.M.: mg/kg

Type: c) serious eye damage/irritation:

Test: Eye Irritant - Route: EYES - Species: Rabbit - Op.: Positive

Sodium nitrite - CAS: 7632-00-0

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 180 - U.M.: mg/kg

Test: LD50 - Route: Inhalation - Species: Rabbit - Op.: = - Value: 5500 - U.M.: mg/kg - Duration: 4 hours

Test: LD50 - Route: Inhalation - Species: Rat - Op.: = - Value: 5500 - U.M.: mg/kg

2-(2-butoxyethoxy)ethanol - Index number: 603-096-00-8

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 2410 - U.M.: mg/kg

Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 2764 - U.M.: mg/kg

Alcohol (C9-11) polyglycoether - CAS: 68439-46-3

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 300 - U.M.: mg/kg

Test: LC50 - Route: Inhalation - Op.: > - Value: 20 - U.M.: mg/l - Duration: 4 hours

Test: LD50 - Route: Skin - Op.: > - Value: 2000 - U.M.: mg/kg

Dodecylidimethylamine-oxide - CAS: 1643-20-5

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 1064 - U.M.: mg/kg

Type: b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin

If not differently specified, the information required in Regulation 2015/830/EC listed below must be considered as N.AV.:

a) acute toxicity;

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- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Based on the information available it is not expected that this product may cause any adverse environmental effect when use instructions and disposal recommendations are followed. Adopt good working practices, so that the product is not released into the environment.

List of substances hazardous to the environment and eco-toxicological information available:

Borax Pentahydrate - CAS: 12179-04-3

a) Aquatic acute toxicity:

LC50 Fish = 74 mg/l 96 Limanda

IC50 Daphnia = 242 mg/l 24 Daphnia magna

Sodium nitrate - CAS: 7631-99-4

a) Aquatic acute toxicity:

LC50 Fish = 7950 mg/l 96 Oncorhynchus mykiss e Oncorhynchus tshawytscha

LC50 Fish = 12000 mg/l 96 Lepomis macrochirus

EC50 Daphnia = 8609 mg/l 24 Daphnia magna

Fatty alcohol (C13) ethoxylated - CAS: 6911-36-5

a) Aquatic acute toxicity:

LC50 Fish > 1 mg/l 96 Cyprinus carpio, Carassius auratus

LC50 Fish -1 10 mg/l 96 Cyprinus carpio, Carassius auratus

EC50 Daphnia > 1 mg/l 48 Daphnia magna

EC50 Daphnia -1 10 mg/l 48 Daphnia magna

Sodium nitrite - CAS: 7632-00-0

a) Aquatic acute toxicity:

LC50 Fish > 0.54 mg/l 96 Oncorhynchus mykiss

LC50 Fish -1 26.3 mg/l 96 Oncorhynchus mykiss

EC50 Daphnia = 15.4 mg/l 48 Daphnia magna

EC50 Algae > 100 mg/l 72 Scenedesmus subspicatus

b) Aquatic chronic toxicity:

NOEC Daphnia = 9.86 mg/l 1920 Daphnia

NOEC Fish = 6.16 mg/l 744 Ictalurus punctatus

2-(2-butoxyethoxy)ethanol - Index number: 603-096-00-8

a) Aquatic acute toxicity:

LC50 Fish = 1300 mg/l 96 lepomis macrochirus

EC50 Daphnia > 100 mg/l 48 Daphnia magna

EC50 Algae > 100 mg/l 96 Selenastrum capricornutum

Alcohol (C9-11) polyglycoether - CAS: 68439-46-3

a) Aquatic acute toxicity:

LC50 Fish > 1 mg/l 96

EC50 Daphnia > 1 mg/l 48 Daphnia magna

EC50 Algae > 1 mg/l 72 Skeletonema costatum

Dodecyldimethylamine-oxide - CAS: 1643-20-5

a) Aquatic acute toxicity:

LC50 Fish = 2.67 mg/l 96

IC50 Daphnia = 3.1 mg/l 48

EC50 Algae = 0.19 mg/l 72

#### 12.2. Persistence and degradability

Borax Pentahydrate - CAS: 12179-04-3

Biodegradability: Not persistent and Biodegradable - Test: Not applicable - Duration: Not

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- applicable - %: Not applicable - Notes: Not applicable
- Fatty alcohol (C13) ethoxylated - CAS: 6911-36-5  
Biodegradability: Not persistent and Biodegradable - Test: OCSE 301 A: COD, depletion of dissolved organic carbon - Duration: Not applicable - %: 2300 - Notes: mg
- Sodium nitrite - CAS: 7632-00-0  
Biodegradability: Non-readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable
- 2-(2-butoxyethoxy)ethanol - Index number: 603-096-00-8  
Biodegradability: Readily biodegradable - Test: OCSE TG 302B: Test Zahn–Wellens modified, Theoretical carbon demand (ThCO<sub>2</sub>) - Duration: 28 days - %: 100 - Notes: Not applicable  
Biodegradability: Readily biodegradable - Test: OCSE 301 E: Modified OCSE Screening, exhaustion of COD - Duration: 28 days - %: 89 - Notes: Not applicable
- Alcohol (C9-11) polyglycoether - CAS: 68439-46-3  
Biodegradability: Readily biodegradable - Test: OCSE 301 E: Modified OCSE Screening, exhaustion of COD - Duration: 28 days - %: 60 - Notes: Not applicable
- Dodecyltrimethylamine-oxide - CAS: 1643-20-5  
Biodegradability: Not persistent and Biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable
- Regulation (EC) No. 648/2004 on Detergents and amendments:  
Surfactant(s) contained in this preparation comply with biodegradability criteria as defined in (EC) regulations on detergents.
- 12.3. Bioaccumulative potential
- Borax Pentahydrate - CAS: 12179-04-3  
Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- Sodium nitrate - CAS: 7631-99-4  
Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- Sodium nitrite - CAS: 7632-00-0  
Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- Alcohol (C9-11) polyglycoether - CAS: 68439-46-3  
Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- Dodecyltrimethylamine-oxide - CAS: 1643-20-5  
Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- 12.4. Mobility in soil
- Borax Pentahydrate - CAS: 12179-04-3  
Mobility in soil: Mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- Sodium nitrate - CAS: 7631-99-4  
Mobility in soil: Not mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- Sodium nitrite - CAS: 7632-00-0  
Mobility in soil: Not mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- 2-(2-butoxyethoxy)ethanol - Index number: 603-096-00-8  
Mobility in soil: Mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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Product and its residue:

Do not dispose in the canals of wastewater, waterways and soil.

The codes indicating the type of waste are considered based on the recommendations and scheduled use of this product. Different codes may be assigned based on the end user's use and the characteristics of the disposal.

Waste code CER/EWC (2000/532/CE), attributable to the product as:

07 06 08\* other still bottoms and reaction residues

HP4 - HP10

Any remaining product should be disposed of with the material.

Containers/contaminated packaging

Containers, even completely empty, must not be disposed in the environment. The packagings which can not be cleaned should be disposed of as the material.

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.

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### 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

14.1 UN number:

Not applicable

14.2 UN proper shipping name:

Not applicable

14.3 Transport hazard class(es):

Not applicable

14.4 Packing Group:

Not applicable

14.5 Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6 Special Precautions for User

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

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

1999/13/EC (VOC directive)

Volatile Organic compounds - VOCs = 1.80 %

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

SVHC Substances:

Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):

Borax Pentahydrate

Toxic to reproduction

15.2. Chemical safety assessment

Not available

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### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H360 May damage fertility or the unborn child.

H319 Causes serious eye irritation.

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H301 Toxic if swallowed.

H315 Causes skin irritation.

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This safety data sheet has been completely updated in compliance to Regulation 2015/830.  
This document was prepared by a competent person who has received appropriate training.  
This MSDS cancels and replaces any preceding release.

Where applicable, refer to the following regulatory provisions :

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments; Regulation (EC) n°1272/2008; Regulation (EC) N. 790/2009 (annex VI), Regulation (EC) n. 1907/2006 (REACH).

Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments; Commission Directive n. 2006/8/CE.

Directive 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.

Directive 2013/10/EU (aerosols) amending Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) n° 1272/2008 on classification, labelling and packaging of substances and mixtures and subsequent amendments.

Regulation (EC) No 1223/2009 on cosmetic products and subsequent amendments.

Regulation (EU) No 126/2013 amending Annex XVII to Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments. Regulation (EC) N. 304/2003 and subsequent amendments. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products and subsequent amendments.

Directives 91/156/CEE, 91/689/CEE, 94/62/CE (Disposal of waste ) and subsequent amendments.

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), current edition.

Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition.

IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.

Main bibliographic sources:

The ISS National Inventory of Chemical Substances (INSC)

ESIS: European chemical Substances Information System and Environmental hazard classification.

Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)

ACGIH - TLV's for 2010

NIOSH - Registry of toxic effects of chemical substances (1983)

Material Safety Data Sheets of chemicals, REACH database

Material Safety Data Sheet and Technical Data of raw material as by Supplier.

Abbreviations and acronyms:

TLV-TWA = Threshold Limit Value- time-weighted average, 8-hour workday, 40-hour workweek;

TLV-STEL-15 min = Threshold Limit Values - Short Term Exposure Limit; TLV-C = Ceiling exposure limit; Notes: IBE= Biological Exposure Indices; SEN= sensitizer; Skin= Can be absorbed through the skin. Carcinogenicity categories: A1 / A2 = confirmed / suspected human carcinogen; A3 = Animal carcinogen; A4 / A5 = Not Classifiable/not suspected as a human carcinogen. ACGIH = American Conference on Governmental Industrial Hygienists. OEL =Occupational Exposure Limit. VLPE = Occupational Exposure Limit Values. LTE =long term exposure, STE=short term exposure.

n.av.= Not Available, n.a. = not applicable; LD50=lethal dose (solids and liquids), LC50=lethal concentration (gases) that will kill 50% of the test animals; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road. Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition. IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.

PBT = Persistent, Bioaccumulative and Toxic substances. ; vPvB = very Persistent and very Bioaccumulative substances; CMR = Carcinogenic, mutagenic or reproduction toxic substances.

The information contained herein is based on our state of knowledge at the above-specified date. It

## **Safety Data Sheet**

### **AGGRESSOL A40**

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.