



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

- 1.1. Product identifier
Mixture identification:
Trade name: DUBRO AFWASMIDDEL EXTRA CITROEN
Product code: 3F0186
Product type and use: Dishwash detergent
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
See label: instructions and precautions
Uses different from those indicated on the packaging or recommended in this document.
- 1.3. Details of the supplier of the safety data sheet
Company:
BOLTON NEDERLAND BV
Antwoordnummer 86, 4000 VB Tiel,
tel 0800-0234566 (gratis)
tel 0344 636 111
e-mail: info@vragendesk.nl
Competent person responsible for the safety data sheet:
safetyinfo@boltonmanitoba.it
- 1.4. Emergency telephone number
030 274 8888 . uitsluitend voor medisch artsen.

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

The classification for the following hazards is derived by information on the mixture as a whole:
a. eye
skin

Adverse physicochemical, human health and environmental effects:
No other hazards

- 2.2. Label elements
Hazard pictograms:



Warning

Hazard statements:
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear 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.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:



None
 2.3. Other hazards
 vPvB Substances: None - PBT Substances: None
 Other Hazards:
 No other hazards

Composition labelling (Detergent Regulation 648/2004/EC).
 Ingredients - 648/2004/EC (www.boltondet.com):
 5 - 15 % anionic surfactants
 < 5 % non-ionic surfactants
 Also contains: perfumes
 Allergens: citral, limonene
 Preservatives 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one,
 METHYLISOTHIAZOLINONE

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
>= 10% - < 20%	SODIUM ALKYL ETHER SULFATE	CAS: 68891-38-3 EC: 500-234-8 REACH No.: 01- 2119488639 -16	⚠ 3.2/2 Skin Irrit. 2 H315 4.1/C3 Aquatic Chronic 3 H412 ⚠ 3.3/1 Eye Dam. 1 H318
>= 1% - < 5%	C12-16 ALKYL DIMETHYLAMINE OXIDE	CAS: 85408-49-7 EC: 287-011-6	⚠ 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 ⚠ 4.1/C2 Aquatic Chronic 2 H411

For full text of the R, H and EUH sentences mentioned in this Section, see Section 16. Exposure limits in the workplace, if available, are listed in Section 8.1.

[1] Exempted: ionic mixture. See Regulation 1907/2006/EC, Annex 5, paragraphs 3 and 4 and "Guidance for Annex V - Exemptions from the obligation to register" (http://echa.europa.eu/documents/10162/13632/annex_v_en.pdf). This salt is potentially present on the basis of calculations and is included in the list of substances for the purposes of classification and labeling only. The starting substances of the ionic mixture are registered or exempted.

[2] Exempted: Included in Annex IV of Regulation 1907/2006/EC.

[3] Exempted: Included in Annex V of Regulation 1907/2006/EC.

[4] Polymer, exempted under Article. 2.9 of Regulation 1907/2006/EC.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

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.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

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)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No occupational exposure limit available
DNEL Exposure Limit Values
Not applicable
PNEC Exposure Limit Values
Not applicable
8.2. Exposure controls
Eye protection:
Eye glasses.
Protection for skin:
No special precaution must be adopted for normal use.
Protection for hands:
Not needed for normal use.
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:	Transparent liquid	--	--
Odour:	characteristic, fresh citrus	--	--
Odour threshold:	ND	--	smell distinctly perceptible under normal use conditions.
pH:	8.1	--	the product as such (100%)
Melting point / freezing point:	Not Relevant	--	3
Initial boiling point and boiling range:	Not Relevant	--	Property is not relevant or not relevant to the safety and product classification
Flash point:	Not Relevant	--	Will not burn
Evaporation rate:	Not Relevant	--	poorly volatile



Solid/gas flammability:	Not applicable	--	liquid product
Upper/lower flammability or explosive limits:	Not Relevant	--	it does not burn
Vapour pressure:	Not Relevant	--	lower than water: < 2300 mPa
Vapour density:	Not Relevant	--	--
Relative density:	1.021 kg/l	--	0
Solubility in water:	Complete	--	--
Solubility in oil:	Insoluble	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	mixture of many different substances
Auto-ignition temperature:	Not applicable	--	not flammable
Decomposition temperature:	Not Relevant	--	Property is not relevant or not relevant to the safety and product classification
Viscosity:	650 mPa.s	--	@20°C
Explosive properties:	Not applicable	--	does not contain substances associated with explosive properties.
Oxidizing properties:	Not Relevant	--	It does not contain oxidizing substances

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not Relevant	--	--
Fat Solubility:	Not Relevant	--	--
Conductivity:	Not Relevant	--	--
Substance Groups relevant properties	Not applicable	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

No known particular risks of reaction with other substances in normal conditions of use.
 Stable under normal conditions

10.2. Chemical stability

The product is stable under normal storage conditions (between -10 ° C and + 50 ° C)
 Stable under normal conditions



- 10.3. Possibility of hazardous reactions
No known particular risks of reaction with other substances in normal conditions of use.
None
- 10.4. Conditions to avoid
none in particular. Follow the directions of the sections 7 and 8.
Stable under normal conditions.
- 10.5. Incompatible materials
There is no known specific problems of incompatibility
None in particular.
- 10.6. Hazardous decomposition products
No decomposition occurs if used for the intended uses and under the intended conditions.
None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Toxicological information of the mixture:
Not applicable
Toxicological information of the main substances found in the mixture:
Not applicable
If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:
- a) acute toxicity;
 - 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.

SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
C12-16 ALKYL DIMETHYLAMINE OXIDE - CAS: 85408-49-7
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 3.5 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 10.8 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 0.4 mg/l - Duration h: 72
- 12.2. Persistence and degradability
None
Not applicable
- 12.3. Bioaccumulative potential
Not applicable
- 12.4. Mobility in soil
Not applicable
- 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. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number
Not classified as dangerous in the meaning of transport regulations.
- 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
IMDG-Marine pollutant: No
- 14.6. Special precautions for user
Not applicable
- 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)
- 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
 - Restriction 40
 - Restrictions related to the substances contained:
 - No restriction.
- Where applicable, refer to the following regulatory provisions :
 - Directive 2012/18/EU ('Activities linked to risks of serious accidents') and subsequent amendments.
 - Regulation (EC) nr 648/2004 (detergents).
 - The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
 - 1999/13/EC (VOC directive)
- Provisions related to directive EU 2012/18 (Seveso III):
 - Not applicable
- 15.2. Chemical safety assessment



No

SECTION 16: Other information

Text of phrases referred to under heading 3:

- H315 Causes skin irritation.
- H412 Harmful to aquatic life with long lasting effects.
- H318 Causes serious eye damage.
- H302 Harmful if swallowed.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

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

Eye Irrit. 3.3.2 DETNET CR...

Skin Irrit: not classified DETNET AISE CR....

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 10: Stability and reactivity
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information

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

Main bibliographic sources:

ACGIH - Threshold Limit Values for Chemical Substances (www.acgih.org)

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.

User is responsible of complying all current and pertaining legislations, regulations and directives.

Company is not liable for any damage to persons or goods, caused by improper usage of information given in this safety data sheet.

- 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.

DUBRO AFWASMIDDEL EXTRA CITROEN
SAFETY DATA SHEET (Regulation (EU) 2015/830)



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.
LTE:	Long-term exposure.
N.A.:	Not applicable
N.D.:	Not available
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.