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

1.1. Product identifier

Product code : D5 - Magre
Trades code : A15-070
Product line: Tintolav

UFI: AP80-20KQ-P00K-GWFE

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

Presmacchiatore for grass stains, coffee, T
Sectors of use:
Industrial Manufacturing[SU3], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Uses advised against
Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Tintolav s.r.l. - Via M. D' Antona 7 - 10028 Trofarello (TO) Tel. 011/649.68.27 Fax 011/649.67.42

Email: info@tintolav.com - Sito internet: www.tintolav.com

Email tecnico competente: a.conedera@tintolav.com

National contact: Malta: Emergency Ambulance 112
Accident & Emergency Department 2545 4030

1.4. Emergency telephone number

The UK National Poisons Emergency number +44 (0)870 600 6266
London: Emergency 24 hour telephone +44 (0) 207188 0100

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

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

Pictograms:
GHS05

Hazard Class and Category Code(s):
Skin Corr. 1C

Hazard statement Code(s):
H314 - Causes severe skin burns and eye damage.

Corrosive product: causes severe skin burns and eye damage.

2.2. Label elements

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

Pictogram, Signal Word Code(s):
GHS05 - Danger

Hazard statement Code(s):
H314 - Causes severe skin burns and eye damage.

Supplemental Hazard statement Code(s):
EUH071 - Corrosive to the respiratory tract.

Precautionary statements:
Prevention
P260 - Do not breathe the vapors.
P264 - Wash your hand thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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/doctor/physician
Disposal
P501 - Dispose of contents / container in accordance with local and national regulations.

Contains:
L-(+)-lactic acid, Coconut diethanolamide , diethanolamine

Contains (Reg.EC 648/2004):
15% < 30% anionic surfactants,5% < 15% non-ionic surfactants

For professional use only

UFI: AP80-20KQ-P00K-GWFE

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACh
Sodium dodecylbenzenesulfonate	>= 15 < 25%	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319	ND	25155-30-0	246-680-4	NR
2-(2-butoxyethoxy)ethanol	>= 5 < 15%	Eye Irrit. 2, H319	603-096-00-8	112-34-5	203-961-6	NR
L-(+)-lactic acid	>= 5 < 15%	EUH071; Skin Corr.	607-743-00-5	79-33-4	201-196-2	NR

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACh
		1C, H314; Eye Dam. 1, H318				
Coconut diethanolamide	>= 5 < 15%	Skin Irrit. 2, H315; Eye Dam. 1, H318	ND	68603-42-9	271-657-0	NR

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.
In case of contact with skin, wash immediately with water and soap.
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

Immediately call a POISON CENTER/doctor/physician

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:
Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

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 mask, gloves and protective clothing.

6.1.2 For emergency responders:
Wear mask, gloves and protective clothing. Suitable: LaTeX, nitrile, PVC
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

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
Wear protective gloves/protective clothing/eye protection/face protection.
In residential areas do not use on large surfaces.
At work do not eat or drink.
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.

7.3. Specific end use(s)

Industrial Manufacturing:
Handle with extreme caution.
Store in a well ventilated place away from heat sources.

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-(2-butoxyethoxy)ethanol:
CVE: TWA 10 ppm 67.5 mg/m3 STEL 15 ppm 101.2 mg/m3
MAK DFG 10 ppm 67 mg/m3

L-(+)-lactic acid:
Specification: DNEL (GLOB)
Parameter: systemic effects short term Inhalation Workers value: 592 mg/m3
Specification: DNEL (GLOB)
Parameter: short-term Oral systemic effects Population value: 35.4 mg/kg
Specification: DNEL (GLOB)
Parameter: systemic effects short term Inhalation Value Population: 296 mg/m3
Specification: PNEC (GLOB): freshwater Parameter value: 1.3 mg/l
Specification: PNEC (GLOB): purification plant Parameter value: 10 mg/l

- Substance: 2-(2-butoxyethoxy)ethanol
DNEL
Systemic effects Long term Workers inhalation = 67,5 (mg/m3)
Systemic effects Long term Workers dermal = 20 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 34 (mg/m3)
Systemic effects Long term Consumers dermal = 10 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 1,25 (mg/kg bw/day)
Local effects Long term Workers inhalation = 67,5 (mg/m3)
Local effects Long term Consumers inhalation = 34 (mg/m3)
Local effects Short term Workers inhalation = 101,2 (mg/m3)
Local effects Short term Consumers inhalation = 50,6 (mg/m3)
PNEC
Sweet water = 1 (mg/l)
sediment Sweet water = 4 (mg/kg/sediment)
Sea water = 0,1 (mg/l)
sediment Sea water = 0,44 (mg/kg/sediment)
intermittent emissions = 3,9 (mg/l)
STP = 200 (mg/l)
ground = 0,32 (mg/kg ground)

- Substance: L-(+)-lactic acid
DNEL
Systemic effects Short term Workers inhalation = 592 (mg/m3)
Systemic effects Short term Consumers inhalation = 296 (mg/m3)
Systemic effects Short term Consumers oral = 35,4 (mg/kg bw/day)
PNEC
Sweet water = 1,3 (mg/l)
STP = 10 (mg/l)

- Substance: Coconut diethanolamide

DNEL
Systemic effects Long term Workers inhalation = 73,4 (mg/m3)
Systemic effects Long term Workers dermal = 4,16 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 21,73 (mg/m3)
Systemic effects Long term Consumers dermal = 2,5 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 6,25 (mg/kg bw/day)
Local effects Long term Workers dermal = 0,09 (mg/kg bw/day)
Local effects Long term Consumers dermal = 0,0562 (mg/kg bw/day)
PNEC
Sweet water = 0,007 (mg/l)
sediment Sweet water = 0,195 (mg/kg/sediment)
Sea water = 0,001 (mg/l)
sediment Sea water = 0,019 (mg/kg/sediment)
intermittent emissions = 0,024 (mg/l)
STP = 830 (mg/l)
ground = 0,035 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:
Industrial Manufacturing:
No specific monitoring foreseen

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
Manipulate with gloves. The gloves should be checked before being used. Use a technique suitable for the removal of gloves (without touching the outside of the glove) to avoid skin contact with this product dispose of contaminated gloves after use in accordance with the legislation and good laboratory practices. Wash and dry your hands.
Selected protective gloves shall comply with the requirements of EU Directive 89/686/EEC and EN 374 standards arising therefrom.
Full contact
Material: nitrile rubber
minimum thickness: 0.11 mm
permeation time: 480 min

(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	straw yellow	
Odour	characteristic	
Odour threshold	not determined	
pH	3-4	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	not determined	
Flash point	nonflammable	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	nonflammable	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	1.030 - 1.045 g/cm3	
Solubility	completely soluble in water	
Water solubility	completely soluble in water	
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: 0,00 %

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

Related to contained substances:
2-(2-butoxyethoxy)ethanol:
Avoid contact with air.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

ATE(mix) oral = 2.545,3 mg/kg
ATE(mix) dermal = 11.834,3 mg/kg
ATE(mix) inhal = ∞

(a) acute toxicity: based on available data, the classification criteria are not met.
(b) skincorrosion/irritation: Corrosive product: causes severe skin burns and eye damage.
Sodium dodecylbenzenesulfonate: Skin irritation-not irritating (2.5%), moderate irritation (5%), moderate-severe irritation (47-50%).
Coconut diethanolamide: Irritating
(c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage.
Sodium dodecylbenzenesulfonate: Eye irritation-mild irritation (1%); moderate irritation (5%), and severe irritation (47-50%)
2-(2-butoxyethoxy)ethanol: Eyes-rabbit Result: Mild eye irritation-24h
Coconut diethanolamide: Acute Irritazione\Corrosione eyes
(d) respiratoryorskinsensitisation: Coconut diethanolamide: Non-sensitizing
(e) germ cell mutagenicity: 2-(2-butoxyethoxy)ethanol: Mutagenicity-Bacterial,: negative +/-activation

Chromosomal aberration,: negative +/-activation

Mutagenicity-Mammalian,: negative +/-activation
(f) carcinogenicity: Sodium dodecylbenzenesulfonate: IARC: no component of this product present at levels greater than or equal to 0.1% identified as known or anticipated carcinogen by IARC.
Coconut diethanolamide: IARC Group 2B carcinogen-possible carcinogenic to humans
(g) eproductivetoxicity: 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 exposurebased 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:

Sodium dodecylbenzenesulfonate:
LD50 (rat) Oral (mg/kg body weight) = 438
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

2-(2-butoxyethoxy)ethanol:
INHALATION RISK: A harmful contamination of air sar reached slowly for evaporation of this substance at 20 C; However, for spraying or scattering, much more quickly.
Effects of short-term exposure: the substance is irritating to eyes the effects of REPEATED EXPOSURE or long term: the liquid degreasing the skin features.

ACUTE HAZARDS/symptoms dry SKIN.
EYE Redness. Pain.
LD50 (rat) Oral (mg/kg body weight) = 1720
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2700
CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 374

L-(+)-lactic acid:
Specification: LC50 Inhalation route of Administration:
Test species: rat
Value: >7.94 ; mg/l
For. test: 4:0

Specification: LD50 Via oral administration:
Test species: Rat (female)
Value: = 3543 mg/kg

Specification: LD50 Via oral administration:
Test species: Rat (male)
Value: = 4936 mg/kg

Specification: LD50
Via Dermal intake:
Test species: rabbit
Value: > 2000 mg/kg
LD50 (rat) Oral (mg/kg body weight) = 3543
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000
CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 7,49

Coconut diethanolamide:
Ingestion: oral rat LD50: > 2,000 mg/kg
Eye contact: irritating to the eye (rabbit). Can cause irreversible damage to the eye.
Skin contact: moderately irritating for a single application (4 h-rabbit)
Readily biodegradable in accordance with the criteria of Directive 67/548 and subsequent modifications.
LD50 (rat) Oral (mg/kg body weight) = 5000

11.2. Information on other hazards

No data available.

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:
Sodium dodecylbenzenesulfonate:
C(E)L50 (mg/l) = 1,67

2-(2-butoxyethoxy)ethanol:

Toxic to fish Lc50-lepomismacrochirus-1,300 mg/l-96 h CL0-Leuciscus idus (dare or Golden)-> 1,000 mg/l-48 h Toxic to daphnia and other aquatic invertebrates: Ec50 Daphnia magna (water Flea grande)-2850 mg/l-48 h for Toxic Algae Desmodesmus subspicatus CI50-(green)-100 mg/l >-12:0 am Toxic to bacteria Lc50-Acinetobacter-1,170 mg/l-4:0 pm
C(E)L50 (mg/l) = 1300

L-(+)-lactic acid:
SP cifications: Parametro: Ec50 Daphnia
Daphnia magna
Valeur = 130 mg/l
Pour. test: 48 h

SP Parametro: EC50: cifications algues
Selenastrum capricornutum
Valeur = 2.8 g/l
Pour. test: 72 h

SP cifications Parametro: EC50: bact ries
Boues activ es

C(E)L50 (mg/l) = 2,8

Coconut diethanolamide:
Acute/prolonged toxicity to fish: (83d) 2.52 mg/l (brachydanio rerio)
Acute toxicity to Aquatic Invertebrates: EC50 (12:0 am) 2.8 mg/l (daphnia Magna)
Primary: Biodegradabilit > 90% (OECD)
Easy Biodegradabilit: 60% > (manometric Tests, O2 consumption)
Theoretical O2 demand (thod) 2.52 mg O2/mg.
Chemical O2 demand (COD): 2.51 mg O2/mg.
C(E)L50 (mg/l) = 2,39

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

12.2. Persistence and degradability

Related to contained substances:
2-(2-butoxyethoxy)ethanol:
The substance miscible in water and would leach into the groundwater, be lost in groundwater and be biologically degraded.
85% (28 d, Ready Biodegradability: Modified MITI Test (s)) readily biodegradable

L-(+)-lactic acid:
Biodegradation/killing specification: BOD20 value = 0.6 mgO2/g
Specification: BOD/5 = 0.45 Value mgO2/g specification: COD value = mgO2/0.9 g
Readily biodegradable

12.3. Bioaccumulative potential

Related to contained substances:
Sodium dodecylbenzenesulfonate:
Bioaccumulation-28 lepomismacrochirus d -64 g/l
Bioconcentration factor (BCF): 220

2-(2-butoxyethoxy)ethanol:
The substance is not expected to bioaccumulate.

12.4. Mobility in soil

Related to contained substances:
2-(2-butoxyethoxy)ethanol:
The high idrosolubilit and low octanol/water partition coefficient indicates that adsorption to suspended solids and sediments are not significant

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6. Endocrine disrupting properties

No data available.

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. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 1760

ADR exemption because compliance with the following characteristics:
Combination packagings: per inner packaging 5 L per package 30 Kg
Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg

14.2. UN proper shipping name

ADR/RID/IMDG: LIQUIDO CORROSIVO, N.A.S.
ADR/RID/IMDG: CORROSIVE LIQUID, N.O.S.
ICAO-IATA: CORROSIVE LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 8
ADR/RID/IMDG/ICAO-IATA: Label : Limited quantities
ADR: Tunnel restriction code : E
ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L
IMDG - EmS : F-A, S-B

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

No data available.

14.7. Maritime transport in bulk according to IMO instruments

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

Related to contained substances:
2-(2-butoxyethoxy)ethanol:
Restrictions relating to the product or to substances contained in annex XVII to Regulation (EC) 1907/2006.
3 product section.
Substances.
Point. 55 BUTYL DIGLYCOL

REGULATION (EU) No 1357/2014 - waste:
HP8 - Corrosive

15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

SECTION 16. Other information

16.1. Other information

Points modified compared to previous release: 1.1. Product identifier, 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed, 7.1. Precautions for safe handling, 7.3. Specific end use(s), 8.1. Control parameters, 8.2. Exposure controls, 9.2. Other information, 10.4. Conditions to avoid, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 12.1. Toxicity, 12.3. Bioaccumulative potential, 12.6. Endocrine disrupting properties, 14.1. UN number or ID number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 14.4. Packing group, 14.5. Environmental hazards, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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.
H314 = Causes severe skin burns and eye damage.
H318 = Causes serious eye damage.

Classification based on data of all mixture components

Main normative references:
Directive 1999/45/EC
Directive 2001/60/EC
Regulation 1272/2008/EC
Regulation 2010/453/EC

** The information contained herein is based on our knowledge at the date above.
Related solely to the product and do not constitute a guarantee of a particular quality.
It is the duty of the user to ensure that these are appropriate and complete information regarding the specific use intended.
This data sheet cancels and replaces any previous edition.