



Dicolube D64 VL8

Revision: 2018-01-25
First release : 2015-12-29

Version: 01.0

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

1.1 Product identifier

Trade name: Dicolube D64 VL8

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

Identified uses:

For professional and industrial use only.

AISE-P803 - Chain maintenance product. Automatic spray process

AISE-P804 - Chain maintenance product. Automatic drip and brush process

Uses advised against: Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssebroeksedijk 2, 3542DN Utrecht, The Netherlands

Contact details

Diversey Kimya Sanayi ve Ticaret A.Ş

İçerenköy Mah. Bahçelerarası Sk.

No: 43, 34752, Ataşehir, İstanbul, Türkiye

Tel: 0216 578 64 00, Faks: 0216 578 64 01

1.4 Emergency telephone number

Tel: 0216 578 64 00

Ulusal Zehir Danışma Merkezi (UZEM): 114

Acil Sağlık Hizmetleri: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

STOT RE 1 (H372)

Skin Irrit. 2 (H315)

Eye Dam. 1 (H318)

Aquatic Acute 1 (H400)

Aquatic Chronic 1 (H410)

2.2 Label elements



Signal word: Danger.

Contains amines, N-C12-18-alkyltrimethylenedi-, diacetates (Oleylaminopropylamine Diacetate), isotridecanol, ethoxylated (Trideceth-12).

Hazard statements:

H372 - Causes damage to organs through prolonged or repeated exposure.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P280 - Wear eye or 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.

P310 - Immediately call a POISON CENTRE, doctor or physician.

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2.3 Other hazards

No other hazards known

The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	Classification	Notes	Weight percent
amines, N-C12-18-alkyltrimethylenedi-, diacetates	292-565-7	90640-46-3	STOT RE 1 (H372) Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		10-20
isotridecanol, ethoxylated	Polymer*	69011-36-5	Acute Tox. 4 (H302) Eye Dam. 1 (H318)		3-10
amines, N-coco-alkyltrimethylenedi-, acetate	263-196-9	61791-64-8	Acute Tox. 3 (H301) STOT RE 1 (H372) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		1-3

* Polymer.

Workplace exposure limit(s), if available, are listed in subsection 8.1.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information:

Symptoms of intoxication may even occur after several hours. It is recommended to continue medical observation for at least 48 hours after the incident. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. Provide fresh air. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Get medical attention or advice if you feel unwell.

Inhalation:

Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. Take off immediately all contaminated clothing and wash it before re-use. If skin irritation occurs: Get medical advice or attention.

Eye contact:

Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.

Ingestion:

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:

No known effects or symptoms in normal use.

Skin contact:

Causes irritation.

Eye contact:

Causes severe or permanent damage.

Ingestion:

No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Wear eye/face protection.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire and explosions:

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Store used personal protective equipment separately. Use personal protective equipment as required. Avoid contact with eyes. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Keep only in original container. Store in a closed container. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

Air limit values, if available:

Biological limit values, if available:

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls:

If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required. Ensure that material transfers are handled under containment or local extract ventilation (LEV).

Appropriate organisational controls:

Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment

Eye / face protection:

Safety glasses or goggles (EN 166).

Hand protection:

Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: \geq 480 min
Material thickness: \geq 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: \geq 30 min
Material thickness: \geq 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Body protection:

No special requirements under normal use conditions.

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Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted or unneutralised.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 0.4

Appropriate engineering controls: Provide a good standard of general ventilation.

Appropriate organisational controls: No special requirements under normal use conditions.

Personal protective equipment

Eye / face protection: No special requirements under normal use conditions.

Hand protection: No special requirements under normal use conditions.

Body protection: No special requirements under normal use conditions.

Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Method / remark

Physical State: Liquid

Colour: Clear, Yellow

Odour: Product specific

Odour threshold: Not applicable

pH: ≈ 6 (neat)

Melting point/freezing point (°C): Not determined

Not relevant to classification of this product

Initial boiling point and boiling range (°C): Not determined

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available		
isotridecanol, ethoxylated	No data available		
amines, N-coco-alkyltrimethylenedi-, acetate	No data available		

Method / remark

Flash point (°C): Not applicable.

Sustained combustion: Not applicable.

(UN Manual of Tests and Criteria, section 32, L.2)

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Upper/lower flammability limit (%): Not determined

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
isotridecanol, ethoxylated	[-]	[-]

Method / remark

Vapour pressure: Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available		
isotridecanol, ethoxylated	< 10		20
amines, N-coco-alkyltrimethylenedi-, acetate	No data available		

Method / remark

Vapour density: Not determined

Relative density: ≈ 1.00 (20 °C)

Solubility in / Miscibility with Water: Fully miscible

Substance data, solubility in water

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Ingredient(s)	Value (g/l)	Method	Temperature (°C)
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available		
isotridecanol, ethoxylated	Soluble	Method not given	20
amines, N-coco-alkyltrimethylenedi-, acetate	No data available		

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Method / remark

Autoignition temperature: Not determined
Decomposition temperature: Not applicable.
Viscosity: Not determined
Explosive properties: Not explosive.
Oxidising properties: Not oxidising.

9.2 Other information

Surface tension (N/m): Not determined
Corrosion to metals: Not corrosive

Not relevant to classification of this product

Substance data, dissociation constant, if available:

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture data:

Relevant calculated ATE(s):

ATE - Oral (mg/kg): 2000

Substance data, where relevant and available, are listed below:

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available			
isotridecanol, ethoxylated	LD ₅₀	> 300-2000	Rat	Weight of evidence	
amines, N-coco-alkyltrimethylenedi-, acetate		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available			
isotridecanol, ethoxylated	LD ₅₀	> 2000	Rabbit	Weight of evidence	
amines, N-coco-alkyltrimethylenedi-, acetate		No data			

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Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available			
isotridecanol, ethoxylated		No data available			
amines, N-coco-alkyltrimethylenedi-, acetate		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available			
isotridecanol, ethoxylated	Not irritant	Rabbit	OECD 404 (EU B.4)	
amines, N-coco-alkyltrimethylenedi-, acetate	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available			
isotridecanol, ethoxylated	Severe damage	Rabbit	OECD 405 (EU B.5)	
amines, N-coco-alkyltrimethylenedi-, acetate	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available			
isotridecanol, ethoxylated	No data available			
amines, N-coco-alkyltrimethylenedi-, acetate	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available			
isotridecanol, ethoxylated	No data available			
amines, N-coco-alkyltrimethylenedi-, acetate	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available			
isotridecanol, ethoxylated	No data available			
amines, N-coco-alkyltrimethylenedi-, acetate	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available		No data available	
isotridecanol, ethoxylated	No evidence for mutagenicity	Method not given Weight of evidence	No evidence for mutagenicity, negative test results	Method not given Weight of evidence
amines, N-coco-alkyltrimethylenedi-, acetate	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available
isotridecanol, ethoxylated	No evidence for carcinogenicity, weight-of-evidence
amines, N-coco-alkyltrimethylenedi-, acetate	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
amines, N-C12-18-alkyltrimethylenedi-, diacetates			No data available				
isotridecanol, ethoxylated	NOAEL	Maternal toxicity	> 250	Rat	Weight of evidence		Not toxic for reproduction
amines,			No data				

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N-coco-alkyltrimethylenedi-, acetate			available				
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Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available				
isotridecanol, ethoxylated		No data available				
amines, N-coco-alkyltrimethylenedi-, acetate		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available				
isotridecanol, ethoxylated		No data available				
amines, N-coco-alkyltrimethylenedi-, acetate		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available				
isotridecanol, ethoxylated		No data available				
amines, N-coco-alkyltrimethylenedi-, acetate		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
amines, N-C12-18-alkyltrimethylenedi-, diacetates			No data available					
isotridecanol, ethoxylated	Oral	NOAEL	50	Rat	Weight of evidence	24 month(s)	Effects on body weight and food/water consumption Effects on organ weights	
amines, N-coco-alkyltrimethylenedi-, acetate			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available
isotridecanol, ethoxylated	Not applicable
amines, N-coco-alkyltrimethylenedi-, acetate	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available
isotridecanol, ethoxylated	Not applicable
amines, N-coco-alkyltrimethylenedi-, acetate	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

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Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available			
isotridecanol, ethoxylated	LC ₅₀	> 1 - 10	<i>Cyprinus carpio</i>	OECD 203 (EU C.1) Weight of evidence	96
amines, N-coco-alkyltrimethylenedi-, acetate		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available			
isotridecanol, ethoxylated	EC ₅₀	> 1 - 10	<i>Daphnia magna Straus</i>	OECD 202, static	48
amines, N-coco-alkyltrimethylenedi-, acetate		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available			
isotridecanol, ethoxylated	EC ₅₀	> 1 - 10	<i>Desmodesmus subspicatus</i>	OECD 201, static Weight of evidence	72
amines, N-coco-alkyltrimethylenedi-, acetate		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available			
isotridecanol, ethoxylated		No data available			-
amines, N-coco-alkyltrimethylenedi-, acetate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available			
isotridecanol, ethoxylated	EC ₁₀	> 10000	<i>Bacteria</i>	DIN 38412 / Part 8	17 hour(s)
amines, N-coco-alkyltrimethylenedi-, acetate		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available				
isotridecanol, ethoxylated		No data available				
amines, N-coco-alkyltrimethylenedi-, acetate		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data available				
isotridecanol, ethoxylated		No data available				
amines, N-coco-alkyltrimethylenedi-, acetate		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
amines, N-C12-18-alkyltrimethylenedi-, diacetates		No data				

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		available				
isotridecanol, ethoxylated		No data available			-	
amines, N-coco-alkyltrimethylenedi-, acetate		No data available				

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
isotridecanol, ethoxylated		No data available			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
isotridecanol, ethoxylated	NOEC	10	<i>Lepidium sativum</i>	OECD 208	-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
isotridecanol, ethoxylated		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
isotridecanol, ethoxylated		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
isotridecanol, ethoxylated		No data available			-	

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
amines, N-C12-18-alkyltrimethylenedi-, diacetates				Weight of evidence	Not readily biodegradable.
isotridecanol, ethoxylated		CO ₂ production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
amines, N-coco-alkyltrimethylenedi-, acetate				Weight of evidence	Not readily biodegradable.

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available			
isotridecanol, ethoxylated	No data available		No bioaccumulation expected	
amines, N-coco-alkyltrimethylenedi-, acetate	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
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amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available				
isotridecanol, ethoxylated	No data available			No bioaccumulation expected	
amines, N-coco-alkyltrimethylenedi-, acetate	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
amines, N-C12-18-alkyltrimethylenedi-, diacetates	No data available				
isotridecanol, ethoxylated	No data available				Immobile in soil or sediment
amines, N-coco-alkyltrimethylenedi-, acetate	No data available				

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products:

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

European Waste Catalogue:

16 03 05* - organic wastes containing dangerous substances.

Empty packaging

Recommendation:

Dispose of observing national or local regulations.

Suitable cleaning agents:

Water, if necessary with cleaning agent.

SECTION 14: Transport information



Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

14.1 UN number: 3082

14.2 UN proper shipping name:

Environmentally hazardous substance, liquid, n.o.s. (alkyl amine acetate)

14.3 Transport hazard class(es):

Class: 9

Label(s): 9

14.4 Packing group: III

14.5 Environmental hazards:

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6 Special precautions for user: None known.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.

Other relevant information:

ADR

Classification code: M6

Tunnel restriction code: E

Hazard identification number: 90

IMO/IMDG

EmS: F-A, S-F

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. Transport regulations include special provisions for dangerous goods packed in small quantities classified under UN3077 or UN3082.

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SECTION 15: Regulatory information

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

National regulations

- 11 Aralık 2013 tarihli, 28848 Sayılı, Maddelerin Ve Karışımların Sınıflandırılması, Etiketlenmesi Ve Ambalajlanması Hakkında Yönetmelik.

Ingredients according to EC Detergents Regulation 648/2004

cationic surfactants	5 - 15 %
non-ionic surfactants	< 5 %

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

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Güvenlik Bilgi Formu Zararlı Maddeler ve Karışımlara İlişkin Güvenlik Bilgi Formları Hakkında Yönetmelik (R.G. 13.12.2014-29204)'e Göre düzenlenmiştir.

Edited by:

Kader Merve Yaman / Sertifikalı GBF Hazırlayıcısı
Sertifika No ve tarihi: GBF01.12.03/20.01.2018
Diversey Kimya Sanayi ve Ticaret A.Ş.
İçerenköy Mah. Bahçelerarası Sk.
No: 43, 34752, Ataşehir, İstanbul, Türkiye
Tel: 0216 578 64 00, Faks: 0216 578 64 01

Full text of the H and EUH phrases mentioned in section 3:

- H301 - Toxic if swallowed.
- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate

End of Safety Data Sheet