# Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name : MAXX MAGIC S

UFI : 9JEF-E2C3-GJ0M-QH6H

Product code : 118706E

Use of the

Substance/Mixture

All Purpose Cleaner

Substance type: : Mixture

For professional users only.

Product dilution information : No dilution information provided.

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

Identified uses : General purpose cleaner. Manual process

Floor cleaner. Semi-Automatic process

Floor cleaner. Manual process

Recommended restrictions

on use

: Reserved for industrial and professional use.

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

Company : Ecolab Limited

Forest Park

Mullingar Industrial Estate, Mullingar Co. Westmeath Ireland +353

1 276 3500

infoireland@ecolab.com

Ecolab Ltd.

PO Box 11; Winnington Avenue

Northwich, Cheshire, United Kingdom CW8 4DX

+353 (0)1 276 3500 ccs@ecolab.com

### 1.4 Emergency telephone number

Poison Information Centre

telephone number

Poisons Information: For information or to report a poisoning incident contact The National Poisons Information Centre (01

8092166)

Date of Compilation/Revision : 08.06.2022

Version : 1.1

# **Section: 2. HAZARDS IDENTIFICATION**

#### 2.1 Classification of the substance or mixture

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## Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture., Specific Concentration limits were taken into account during classification calculation, The classification of this product is based on toxicological assessment.

### 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling:

mixtures

Special labelling of certain : Safety data sheet available on request.

#### 2.3 Other hazards

None known.

# Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

### **Hazardous components**

Chemical Name	CAS-No. EC-No. REACH No.	Classification REGULATION (EC) No 1272/2008	Concentration : [%]
Fattyalcohol ethoxylates =/< C15 and =/< 5EO	31726-34-8 POLYMER	Acute toxicity Category 4; H302 Skin irritation Category 2; H315 Eye irritation Category 2; H319  Serious eye damage/eye irritation Category 2A > 15 - 100 %	>= 2.5 - < 5
Di(2-Ethylhexyl) Sodium Sulfosuccinate	577-11-7 209-406-4 01-2119491296-29	Skin irritation Category 2; H315 Serious eye damage Category 1; H318	>= 3 - < 5
ethanol 64-17-5 200-578-6 01-2119457610-43		Flammable liquids Category 2; H225 Serious eye damage/eye irritation Category 2; H319  Serious eye damage/eye irritation Category 2A 50 - 100 %	>= 1 - < 2.5

For the full text of the H-Statements mentioned in this Section, see Section 16.

# **Section: 4. FIRST AID MEASURES**

### 4.1 Description of first aid measures

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

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If inhaled : Get medical attention if symptoms occur.

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

See Section 11 for more detailed information on health effects and symptoms.

### 4.3 Indication of immediate medical attention and special treatment needed

Treatment : No specific measures identified.

## **Section: 5. FIREFIGHTING MEASURES**

## 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: Not flammable or combustible.

Hazardous combustion

products

: Depending on combustion properties, decomposition products

may include following materials:

Carbon oxides Sulphur oxides metal oxides

#### 5.3 Advice for firefighters

for firefighters

Special protective equipment : Use personal protective equipment.

Further information : Fire residues and contaminated fire extinguishing water must be

disposed of in accordance with local regulations.

# Section: 6. ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency

personnel

: Refer to protective measures listed in sections 7 and 8.

Advice for emergency

responders

: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable

materials.

### 6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

### 6.3 Methods and materials for containment and cleaning up

### 6.4 Reference to other sections

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See Section 1 for emergency contact information.

For personal protection see section 8.

See Section 13 for additional waste treatment information.

# **Section: 7. HANDLING AND STORAGE**

## 7.1 Precautions for safe handling

Advice on safe handling: Wash hands after handling. In case of mechanical malfunction, or

if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section

8.

Hygiene measures : Wash hands before breaks and immediately after handling the

product.

# 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers

: Keep out of reach of children. Keep container tightly closed. Store

in suitable labeled containers.

Storage temperature : 0 °C to 40 °C

# 7.3 Specific end uses

Specific use(s) : General purpose cleaner. Manual process

Floor cleaner. Semi-Automatic process

Floor cleaner. Manual process

# Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Control parameters

## **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
ethanol	64-17-5	OELV - 15 min (STEL)	1,000 ppm	IR_OEL
triethanolamine	102-71-6	OELV - 8 hrs (TWA)	5 mg/m3	IR_OEL

#### **DNEL**

triethanolamine	: End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 1 mg/m3
	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 1 mg/m3
	End Use: Workers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 7.5 mg/cm2

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End Use: Consumers Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 1.25 mg/m3

End Use: Consumers Exposure routes: Inhalation

Potential health effects: Long-term local effects

Value: 1.25 mg/m3

End Use: Consumers Exposure routes: Dermal

Potential health effects: Long-term systemic effects

Value: 3.1 mg/cm2

End Use: Consumers Exposure routes: Ingestion

Potential health effects: Long-term systemic effects

Value: 13 ppm

#### **PNEC**

triethanolamine	:	Fresh water
		Value: 0.32 mg/l
		Marine water
		Value: 0.032 mg/l
		Intermittent use/release
		Value: 5.12 mg/l
		1 S. 4.5.1 S. 1.2 . 1.3.1
		Fresh water sediment
		Value: 1.7 mg/kg
		Marine sediment
		Value: 1.7 mg/kg
		On any transfer of all at
		Sewage treatment plant
		Value: 10 mg/l
		Soil
		Value: 0.151 mg/kg
		Talasi Silo inging

#### 8.2 Exposure controls

### **Appropriate engineering controls**

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

# Individual protection measures

Hygiene measures : Wash hands before breaks and immediately after handling the

product.

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Eye/face protection (EN 166) No special protective equipment required.

Hand protection (EN 374) : No special protective equipment required.

Skin and body protection

(EN 14605)

: No special protective equipment required.

Respiratory protection (EN

143, 14387)

: None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified

respiratory protection equipment meeting EU

requirements(89/656/EEC, (EU) 2016/425), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods

or procedures of work organization.

#### **Environmental exposure controls**

General advice : Consider the provision of containment around storage vessels.

### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : clear, green Odour pleasant

pΗ : 10.1 - 10.6, 100 %

Particle characteristics

Assessment : not applicable Particle size not applicable Particle Size Distribution not applicable **Dustiness** not applicable Specific surface area : not applicable Surface charge/Zeta

potential

: not applicable

Shape : not applicable Crystallinity : not applicable

/Coatings

Flash point : 76 °C, Does not sustain combustion.

: not applicable

Odour Threshold Not applicable and/or not determined for the mixture Melting point/freezing point : Not applicable and/or not determined for the mixture

Boiling point, initial boiling point and boiling range

Surface treatment

: > 100 °C

Evaporation rate : Not applicable and/or not determined for the mixture Flammability : Not applicable and/or not determined for the mixture Upper explosion limit : Not applicable and/or not determined for the mixture Lower explosion limit Not applicable and/or not determined for the mixture

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Vapour pressure : Not applicable and/or not determined for the mixture Relative vapour density : Not applicable and/or not determined for the mixture

Density and / or relative

density

: 1.004 - 1.014

Water solubility : soluble

Solubility in other solvents : Not applicable and/or not determined for the mixture Partition coefficient: n- : Not applicable and/or not determined for the mixture

octanol/water (log value)

Auto-ignition temperature

: Not applicable and/or not determined for the mixture

Thermal decomposition : Not applicable and/or not determined for the mixture

Viscosity, kinematic : 16.000 mm2/s (40 °C)

Explosive properties : Not applicable and/or not determined for the mixture Oxidizing properties : The substance or mixture is not classified as oxidizing.

#### 9.2 Other information

Not applicable and/or not determined for the mixture

### Section: 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

#### 10.4 Conditions to avoid

None known.

# 10.5 Incompatible materials

None known.

# 10.6 Hazardous decomposition products

Depending on combustion properties, decomposition products may include following materials: Carbon oxides
Sulphur oxides
metal oxides

# **Section: 11. TOXICOLOGICAL INFORMATION**

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

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#### **Product**

Acute oral toxicity : There is no data available for this product.

Acute inhalation toxicity : There is no data available for this product.

Acute dermal toxicity : There is no data available for this product.

Skin corrosion/irritation : There is no data available for this product.

Serious eye damage/eye

irritation

: There is no data available for this product.

Respiratory or skin

sensitization

: There is no data available for this product.

Carcinogenicity : There is no data available for this product.

Reproductive effects : There is no data available for this product.

Germ cell mutagenicity : There is no data available for this product.

Teratogenicity : There is no data available for this product.

STOT - single exposure : There is no data available for this product.

STOT - repeated exposure : There is no data available for this product.

Aspiration toxicity : There is no data available for this product.

Components

Acute oral toxicity : Fattyalcohol ethoxylates =/< C15 and =/< 5EO LD50 rat: 1,250

mg/kg

Test substance: Information given is based on data obtained from

similar substances.

Di(2-Ethylhexyl) Sodium Sulfosuccinate LD50 rat: 3,000 mg/kg

ethanol LD50 rat: 10,470 mg/kg

Components

Acute inhalation toxicity : ethanol 4 h LC50 rat: 117 mg/l

Test atmosphere: vapour

Components

Acute dermal toxicity : Fattyalcohol ethoxylates =/< C15 and =/< 5EO LD50 rabbit: >

2,000 mg/kg

Di(2-Ethylhexyl) Sodium Sulfosuccinate LD50 rabbit: > 10,000

mg/kg

ethanol LD50 rabbit: 15,800 mg/kg

**Potential Health Effects** 

Eyes : Health injuries are not known or expected under normal use.

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Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

## **Experience with human exposure**

Eye contact : No symptoms known or expected.

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

#### 11.2 Information on other hazards

Further information : no data available

# **Section: 12. ECOLOGICAL INFORMATION**

#### 12.1 Toxicity

Environmental Effects : This product has no known ecotoxicological effects.

**Product** 

Toxicity to fish : no data available

Toxicity to daphnia and other : no data available

aquatic invertebrates

Toxicity to algae : no data available

Components

Toxicity to fish : Fattyalcohol ethoxylates =/< C15 and =/< 5EO96 h LC50

Brachydanio rerio (zebrafish): > 100 mg/l

Test substance: Information given is based on data obtained from

similar substances.

Di(2-Ethylhexyl) Sodium Sulfosuccinate96 h LC50 Danio rerio

(zebra fish): 49 mg/l

ethanol96 h LC50 Pimephales promelas (fathead minnow): > 100

mg/l

Components

Toxicity to daphnia and other

aquatic invertebrates

: Fattyalcohol ethoxylates =/< C15 and =/< 5EO48 h EC50 Daphnia

magna (Water flea): > 100 mg/l

Test substance: Information given is based on data obtained from

similar substances.

Di(2-Ethylhexyl) Sodium Sulfosuccinate48 h EC50 Daphnia

magna (Water flea): 6.6 mg/l

ethanol48 h EC50 Aquatic Invertebrate: 857 mg/l

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## Components

Toxicity to algae : Fattyalcohol ethoxylates =/< C15 and =/< 5EO72 h EC50: > 100

mg/l

Test substance: Information given is based on data obtained from

similar substances.

Di(2-Ethylhexyl) Sodium Sulfosuccinate72 h EC50 Desmodesmus

subspicatus (green algae): 82.5 mg/l

## 12.2 Persistence and degradability

#### **Product**

no data available

#### Components

Biodegradability : Fattyalcohol ethoxylates =/< C15 and =/< 5EOResult: Readily

biodegradable.

Di(2-Ethylhexyl) Sodium SulfosuccinateResult: Readily

biodegradable.

ethanolResult: Readily biodegradable.

#### 12.3 Bioaccumulative potential

no data available

# 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

#### **Product**

Assessment : This substance/mixture contains no components considered to be

either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or

higher.

# 12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

## 12.7 Other adverse effects

no data available

### Section: 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the European Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

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#### 13.1 Waste treatment methods

Product : Diluted product can be flushed to sanitary sewer if regulations

permit.

Contaminated packaging : Dispose of in accordance with local, state, and federal regulations.

Guidance for Waste Code

selection

: Organic wastes containing not dangerous substances with concentration >= 0.1%. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code. It is the

responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC) and local

regulations.

#### **Section: 14. TRANSPORT INFORMATION**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

: Not dangerous goods

## Land transport (ADR/ADN/RID)

14.1 UN number or ID

number

14.2 UN proper shipping

name

14.3 Transport hazard

class(es)

14.4 Packing group : Not dangerous goods 14.5 Environmental hazards : Not dangerous goods 14.6 Special precautions for : Not dangerous goods

user

Air transport (IATA)

14.1 UN number or ID : Not dangerous goods

number

14.2 UN proper shipping

name

14.3 Transport hazard

class(es)

14.4 Packing group : Not dangerous goods 14.5 Environmental hazards : Not dangerous goods 14.6 Special precautions for : Not dangerous goods

user

Sea transport (IMDG/IMO)

: Not dangerous goods 14.1 UN number or ID

number

14.2 UN proper shipping

name

14.3 Transport hazard

class(es)

14.4 Packing group : Not dangerous goods

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14.5 Environmental hazards : Not dangerous goods 14.6 Special precautions for : Not dangerous goods

user

14.7 Maritime transport in

bulk according to IMO

instruments

: Not dangerous goods

# **Section: 15. REGULATORY INFORMATION**

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

according to Detergents Contains: Perfumes Regulation EC 648/2004 Preservation agents:

2-phenoxyethanol2-Methyl-4-isothazolin-3-one

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of majoraccident hazards involving dangerous substances.

Candidate List of Substances : Not applicable.

of Very High Concern for

Authorisation

: Not applicable.

#### **National Regulations**

## Take note of Dir 94/33/EC on the protection of young people at work.

Other regulations : Safety, Health and Welfare at Work Act, 2005

> European Communities (Classification, Packaging, Labelling and Notification of Dangerous Preparations) Regulations 1995. (S.I.

272 of 1995) as amended

#### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out on the product.

## **Section: 16. OTHER INFORMATION**

#### Procedure used to derive the classification according to REGULATION (EC) No 1272/2008

1 1000aaro acoa to acrivo are craceritation according to K2001/their (20/110 1212/2000				
Classification	Justification			
Not a hazardous substance or mixture.	Calculation method			

#### **Full text of H-Statements**

H225	Highly flammable	liquid and vapour.

H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eve damage. H319 Causes serious eye irritation.

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for

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the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN -United Nations; vPvB - Very Persistent and Very Bioaccumulative

Prepared by : Regulatory Affairs

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Annex: Exposure Scenarios** 

Exposure Scenario: General purpose cleaner. Manual process

Life Cycle Stage : Widespread use by professional workers

Product category : **PC35** Washing and cleaning products (including solvent based

products)

Contributing scenario controlling environmental exposure for:

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Environmental release

category

ERC8a

Wide dispersive indoor use of processing aids in open

systems

Daily amount per site

7.5 kg

Type of Sewage Treatment

Plant

Municipal sewage treatment plant

## Contributing scenario controlling worker exposure for:

Process category PROC10 Roller application or brushing

**Exposure duration** 480 min

Operational conditions and risk management measures Indoor

Local Exhaust Ventilation is not required

General ventilation Ventilation rate per hour 1

Skin Protection see section 8

**Respiratory Protection** see section 8

## Contributing scenario controlling worker exposure for:

PROC8a Process category Transfer of substance or preparation (charging/

discharging) from/ to vessels/ large containers at non-

1

dedicated facilities

Exposure duration 60 min

Operational conditions and

risk management measures

Indoor

Local Exhaust Ventilation is not required

General ventilation Ventilation rate per hour

Skin Protection see section 8

**Respiratory Protection** see section 8

#### **Exposure Scenario: Floor cleaner. Manual process**

Life Cycle Stage Widespread use by professional workers

**PC35** Product category Washing and cleaning products (including solvent based

products)

#### Contributing scenario controlling environmental exposure for:

Environmental release

category

ERC8a

Wide dispersive indoor use of processing aids in open

systems

Daily amount per site 7.5 kg

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Type of Sewage Treatment

Plant

Municipal sewage treatment plant

### Contributing scenario controlling worker exposure for:

Process category PROC10 Roller application or brushing

Exposure duration 480 min

Operational conditions and

risk management measures

: Indoor

Local Exhaust Ventilation is not required

1 General ventilation Ventilation rate per hour

Skin Protection see section 8 **Respiratory Protection** see section 8

## Contributing scenario controlling worker exposure for:

PROC8a Transfer of substance or preparation (charging/ Process category

discharging) from/ to vessels/ large containers at non-

dedicated facilities

Local Exhaust Ventilation is not required

Exposure duration 60 min

Operational conditions and

risk management measures

Indoor

General ventilation Ventilation rate per hour 1

Skin Protection see section 8

**Respiratory Protection** see section 8

# Exposure Scenario: Floor cleaner. Semi-Automatic process

Life Cycle Stage Widespread use by professional workers

Product category **PC35** Washing and cleaning products (including solvent based

products)

# Contributing scenario controlling environmental exposure for:

Environmental release

category

ERC8a

Wide dispersive indoor use of processing aids in open

systems

Daily amount per site 7.5 kg

Type of Sewage Treatment

Plant

Municipal sewage treatment plant

# Contributing scenario controlling worker exposure for:

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Process category : **PROC10** Roller application or brushing

Exposure duration : 480 min

Operational conditions and risk management measures

: Indoor

Local Exhaust Ventilation is not required

General ventilation Ventilation rate per hour 1

Skin Protection : see section 8

Respiratory Protection : see section 8

# Contributing scenario controlling worker exposure for:

Process category : PROC8a Transfer of substance or preparation (charging/

discharging) from/ to vessels/ large containers at non-

dedicated facilities

Exposure duration : 60 min

Operational conditions and

risk management measures

Indoor

Local Exhaust Ventilation is not required

General ventilation Ventilation rate per hour 1

Skin Protection : see section 8

Respiratory Protection : see section 8

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