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

#### 1.1 Product identifier

Product name : MEIKO ACTIVE R-US 2190

Product code : 117731E

Use of the : Rinse Additive

Substance/Mixture

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 : Dishwash and rinse aid product; Automatic process

Recommended restrictions

on use

: Reserved for industrial and professional use.

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

Company : Ecolab Ltd.

PO Box 11; Winnington Avenue

Northwich, Cheshire, United Kingdom CW8 4DX

+ 44 (0)1606 74488 ccs@ecolab.com

MEIKO UK Limited

Bade House, 393 Edinburgh Avenue

Slough, Berkshire, SL1 4UF, United Kingdom +44 (0)1753 215120

www.meiko-uk.co.uk

#### 1.4 Emergency telephone number

Emergency telephone : +441618841235

number +32-(0)3-575-5555 Trans-European

Date of Compilation/Revision : 01.03.2023 Version : 2.0

# **Section: 2. HAZARDS IDENTIFICATION**

#### 2.1 Classification of the substance or mixture

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

Skin irritation, Category 2 H315
Eye irritation, Category 2 H319

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#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal Word : Warning

Hazard Statements : H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements : **Prevention**:

P280e Wear eye protection/face protection.

#### 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 : [%]
Ethoxylated alkyl alcohol	166736-08-9 polymer exempt	Acute toxicity Category 4; H302 Skin irritation Category 2; H315	>= 10 - < 20
Alcohol ethoxylate	68439-51-0 POLYMER	Chronic aquatic toxicity Category 3; H412	>= 1 - < 2.5
Isotridecanol, ethoxylated	69011-36-5 500-241-6 01-2119976362-32	Acute toxicity Category 4; H302 Skin irritation Category 2; H315 Serious eye damage Category 1; H318 Chronic aquatic toxicity Category 3; H412	>= 1 - < 2.5
Sodiumcumenesulphonat e	28348-53-0 248-983-7 01-2120759186-46	Eye irritation Category 2; H319  Skin corrosion/irritation Category 3  > 60 %	>= 1 - < 2.5
Isopropyl Alcohol	67-63-0 200-661-7 01-2119457558-25	Flammable liquids Category 2; H225 Eye irritation Category 2; H319 Specific target organ toxicity - single exposure Category 3; H336	>= 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 immediately with plenty of water, also under the eyelids, for

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at least 15 minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. Get medical attention.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.

Use a mild soap if available. Get medical attention if irritation

develops and persists.

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

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 : Treat symptomatically.

# **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

: Fire Hazard

Keep away from heat and sources of ignition. Flash back possible over considerable distance.

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. In the event of

fire and/or explosion do not breathe fumes.

#### Section: 6. ACCIDENTAL RELEASE MEASURES

# 6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency

personnel

: Remove all sources of ignition. Ensure clean-up is conducted by

trained personnel only. Refer to protective measures listed in

sections 7 and 8.

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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 : Do not allow contact with soil, surface or ground water.

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

Methods for cleaning up : Eliminate all ignition sources if safe to do so. Stop leak if safe to

do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain

material to ensure runoff does not reach a waterway.

#### 6.4 Reference to other sections

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 : Avoid contact with skin and eyes. Use only with adequate

ventilation. Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective

Equipment (PPE).

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after

handling.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep away from heat and sources of ignition. Keep away from oxidizing agents. 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) : Dishwash and rinse aid product; Automatic process

# Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

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# **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Isopropyl Alcohol	67-63-0	TWA	400 ppm 999 mg/m3	UKCOSSTD
		STEL	500 ppm 1,250 mg/m3	UKCOSSTD

# DNEL

DINEL	
Isopropyl Alcohol	: End Use: Workers Exposure routes: Dermal Potential health effects: Long-term systemic effects 888 mg/kg
	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 500 mg/m3
	End Use: Consumers Exposure routes: Dermal Potential health effects: Long-term systemic effects 319 mg/kg
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 89 mg/m3
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects 26 mg/kg

# **PNEC**

Isopropyl Alcohol	: Fresh water
	Value: 140.9 mg/l
	Marine water
	Value: 140.9 mg/l
	Intermittent use/release
	Value: 140.9 mg/l
	Freeh water
	Fresh water
	Value: 552 mg/kg
	Marine sediment
	Value: 552 mg/kg
	3 3
	Soil
	Value: 28 mg/kg
	Sewage treatment plant
	Value: 2251 mg/l
	Oral

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Value: 160 mg/kg

#### 8.2 Exposure controls

#### Appropriate engineering controls

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

exposure to airborne contaminants.

#### Individual protection measures

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Remove and wash contaminated clothing before re-use.

Wash face, hands and any exposed skin thoroughly after

handling.

Eye/face protection (EN 166) : Safety glasses with side-shields

Hand protection (EN 374) : Recommended preventive skin protection

> Gloves Nitrile rubber butyl-rubber

Breakthrough time: 1 – 4 hours

Minimum thickness for butyl-rubber 0.3 mm for nitrile rubber 0.2

mm or equivalent (please refer to the gloves

manufacturer/distributor for advise).

Gloves should be discarded and replaced if there is any indication

of degradation or chemical breakthrough.

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

Appearance : liquid Colour : clear, blue Odour : very faint

рΗ : 4.4 - 5.6, 100 % Flash point : 65 °C closed cup

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

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

Initial boiling point and : Not applicable and/or not determined for the mixture

boiling range

Evaporation rate : Not applicable and/or not determined for the mixture

Flammability (solid, gas) : 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

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

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

Relative density : 1.01 - 1.016

Water solubility : slightly soluble

Solubility in other solvents : Not applicable and/or not determined for the mixture

Partition coefficient: n-

octanol/water

: Not applicable and/or not determined for the mixture

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 : Not applicable and/or not determined for the mixture
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

Heat, flames and sparks.

#### 10.5 Incompatible materials

None known.

#### 10.6 Hazardous decomposition products

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

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Sulphur oxides metal oxides

#### Section: 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Information on likely routes of : Inhalation, Eye contact, Skin contact

exposure

**Product** 

Acute oral toxicity : Acute toxicity estimate : > 2,000 mg/kg

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 : Ethoxylated alkyl alcohol LD50 rat: > 300 mg/kg

Alcohol ethoxylate LD50 rat: > 2,000 mg/kg

Isotridecanol, ethoxylated LD50 rat: 800 mg/kg

Test substance: Information given is based on data obtained from

similar substances.

Sodiumcumenesulphonate LD50 rat: > 7,000 mg/kg

Isopropyl Alcohol LD50 rat: 5,840 mg/kg

Components

Sodiumcumenesulphonate 4 h LC50 rat: > 770 mg/l Acute inhalation toxicity

Test atmosphere: dust/mist

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Isopropyl Alcohol 4 h LC50 rat: > 30 mg/l

Test atmosphere: vapour

Components

Acute dermal toxicity : Alcohol ethoxylate LD50 rat: > 5,000 mg/kg

Isotridecanol, ethoxylated LD50 rat: 2,150 mg/kg

Test substance: Information given is based on data obtained from

similar substances.

Sodiumcumenesulphonate LD50 rabbit: > 2,000 mg/kg

Isopropyl Alcohol LD50 rabbit: 12,870 mg/kg

**Potential Health Effects** 

Eyes : Causes serious eye irritation.

Skin : Causes skin irritation.

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 : Redness, Pain, Irritation

Skin contact : Redness, Irritation

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

**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 : Ethoxylated alkyl alcohol96 h LC50 Pimephales promelas

(fathead minnow): > 10 mg/l

Alcohol ethoxylate48 h LC50 Leuciscus idus (Golden orfe): > 1

mg/l

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Isotridecanol, ethoxylated96 h LC50 Fish: 20.13 mg/l

Test substance: Information given is based on data obtained from

similar substances.

Sodiumcumenesulphonate96 h LC50 Fish: > 450 mg/l

Isopropyl Alcohol96 h LC50 Pimephales promelas (fathead

minnow): 9,640 mg/l

#### Components

Toxicity to daphnia and other aquatic invertebrates

: Ethoxylated alkyl alcohol48 h EC50 Daphnia magna (Water flea):

> 100 mg/l

Test substance: Information given is based on data obtained from

similar substances.

Alcohol ethoxylate24 h EC50 Daphnia magna (Water flea): > 1

mg/l

Isotridecanol, ethoxylated48 h EC50 Daphnia magna (Water flea):

5.33 mg/l

Test substance: Information given is based on data obtained from

similar substances.

Isopropyl Alcohol LC50 Daphnia magna (Water flea): > 10,000

mg/l

#### Components

Toxicity to algae : Ethoxylated alkyl alcohol72 h EC50 Pseudokirchneriella

subcapitata (algae): > 10 mg/l

Alcohol ethoxylate72 h EC50 Desmodesmus subspicatus (green

algae): > 1 mg/l

#### 12.2 Persistence and degradability

#### **Product**

Biodegradability : The surfactants contained in the product are biodegradable

according to the requirements of the detergent regulation

648/2004/EC

# Components

Biodegradability : Ethoxylated alkyl alcoholResult: Readily biodegradable.

Alcohol ethoxylateResult: Readily biodegradable.

Isotridecanol, ethoxylatedResult: Readily biodegradable.

SodiumcumenesulphonateResult: Readily biodegradable.

Isopropyl AlcoholResult: Readily biodegradable.

#### 12.3 Bioaccumulative potential

no data available

#### 12.4 Mobility in soil

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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 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.

#### 13.1 Waste treatment methods

Product : Where possible recycling is preferred to disposal or incineration. If

recycling is not practicable, dispose of contents/container in accordance with local regulations Dispose of wastes in an

approved waste disposal facility.

Contaminated packaging : Dispose of as unused product. Empty containers should be taken

to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local,

state, and federal regulations.

Guidance for Waste Code

selection

: Organic wastes containing dangerous substances. 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.

# Land transport (ADR/ADN/RID)

14.1 UN number : Not dangerous goods14.2 UN proper shipping : Not dangerous goods

name

14.3 Transport hazard : Not dangerous goods

class(es)

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

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#### Air transport (IATA)

14.1 UN number : Not dangerous goods 14.2 UN proper shipping : Not dangerous goods

name

: Not dangerous goods 14.3 Transport hazard

class(es)

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

user

#### Sea transport (IMDG/IMO)

14.1 UN number : Not dangerous goods 14.2 UN proper shipping : Not dangerous goods

name

: Not dangerous goods 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

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

Code

# Section: 15. REGULATORY INFORMATION

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

: Not applicable.

: Not dangerous goods

according to Detergents

Regulation EC 648/2004

less than 5 %: Non-ionic surfactants

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

#### **National Regulations**

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

Other regulations The Chemicals (Hazard Information and Packaging for Supply)

Regulations.

The Control of Substances Hazardous to Health Regulations.

Health and Safety at Work Act.

# 15.2 Chemical Safety Assessment

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

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

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

Classification	Justification
Skin irritation 2, H315	Calculation method
Eye irritation 2, H319	Calculation method

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

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

#### 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 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.

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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: Dishwash and rinse aid product; 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 : **ERC8a** Wide dispersive indoor use of processing aids in open

category systems

Daily amount per site : 7.5 kg

Type of Sewage Treatment : Munic

Plant

: Municipal sewage treatment plant

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

Skin Protection : see section 8

Respiratory Protection : see section 8

Contributing scenario controlling worker exposure for:

Process category : PROC3 Use in closed batch process (synthesis or formulation)

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Exposure duration : 480 min

Operational conditions and risk management measures

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: Indoor

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

# **MEIKO ACTIVE R-US 2190**

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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