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

1.1 Product identifier

Trade name : MasterFlow 936AN PART A

Product code : 00000000050489092

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

Use of the Sub-

: Product for construction chemicals

stance/Mixture

Recommended restrictions

on use

: Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company : Sika MBCC Turkey Yapı Kimyasalları

Sanayi ve Ticaret Limited Şirketi Ataşehir Kuzey, C Kapısı 3E/ 5-12

34746 İstanbul, Turkey

Telephone : +902162178800

Telefax : +902162178800

E-mail address of person

responsible for the SDS

: rpc@mbcc-group.com

1.4 Emergency telephone

ChemTel: +1-813-248-0585

National Emergency Tele-

phone Number

Acil İlkyardım Merkezi: 112 Ulusal Zehir Danışma Merkezi: 114

İtfaiye: 110

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification T.R. SEA No 28848 and subsequent amendments

Skin irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Skin sensitization, Category 1 H317: May cause an allergic skin reaction.

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Long-term (chronic) aquatic hazard, Cat- H411: Toxic to aquatic life with long lasting effects.

egory 2

#### 2.2 Label elements

Labeling T.R. SEA No 28848 and subsequent amendments

Hazard pictograms :





Signal Word : Warning

Hazard Statements : H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : Prevention:

P261 Avoid breathing mist or vapors.P264 Wash skin thoroughly after handling.P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P333 + P313 If skin irritation or rash occurs: Get medical

advice/ attention. P391 Collect spillage.

Hazardous ingredients which must be listed on the label:

bisphenol A-epichlorohydrin resin

Bisphenol-F-Epichlorhydrin Resins

1,6-bis(2,3-epoxypropoxy)hexane

#### 2.3 Other hazards

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.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

# **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

Chemical nature : epoxy resin

## Components

Chemical name	CAS-No. EC-No.	SEA Classification	Concentration (% w/w)
	20 140.		(70 11711)

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	Index-No. KKDIK Registra- tion No.		
bisphenol A-epichlorohydrin resin	25068-38-6 500-033-5 603-074-00-8	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 ——————————————————————————————————	>= 30 - < 50
Bisphenol-F-Epichlorhydrin Resins	9003-36-5 500-006-8	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 10 - < 20
1,6-bis(2,3-epoxypropoxy)hexane	16096-31-4 240-260-4	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 3; H412	>= 2,5 - < 10

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

## 4.1 Description of first-aid measures

General advice : First aid personnel should pay attention to their own safety.

Immediately remove contaminated clothing.

If inhaled : If difficulties occur after vapour/aerosol has been inhaled,

remove to fresh air and seek medical attention.

In case of skin contact : After contact with skin, wash immediately with plenty of water

and soap.

Under no circumstances should organic solvent be used.

If irritation develops, seek medical attention.

In case of eye contact : Wash affected eyes for at least 15 minutes under running

water with eyelids held open, consult an eye specialist.

If swallowed : Immediately rinse mouth and then drink 200-300 ml of water,

seek medical attention.

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Do NOT induce vomiting.

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

Risks Causes skin irritation.

> May cause an allergic skin reaction. Causes serious eye irritation.

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

Treatment : Treat symptomatically.

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing media Foam

> Water spray Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

water jet

## 5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod: :

ucts

harmful vapours nitrogen oxides fumes/smoke carbon black carbon oxides

#### 5.3 Advice for firefighters

for fire-fighters

Special protective equipment : Wear a self-contained breathing apparatus.

Further information The degree of risk is governed by the burning substance and

the fire conditions.

If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not

allow to reach sewage or effluent systems.

Contaminated extinguishing water must be disposed of in

accordance with official regulations.

## **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Do not breathe vapour/aerosol/spray mists.

Wear eye/face protection.

If exposed to high vapour concentration, leave area immedi-

ately.

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Use personal protective clothing.

Handle in accordance with good building materials hygiene

and safety practice.

6.2 Environmental precautions

Environmental precautions : Contain contaminated water/firefighting water.

Do not discharge into drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Large spills should be collected mechanically (remove by

pumping) for disposal.

Pick up with inert absorbent material (e.g. sand, earth etc.).

Correctly dispose of recovered product immediately.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

**SECTION 7: Handling and storage** 

7.1 Precautions for safe handling

Advice on safe handling : Avoid aerosol formation.

Avoid inhalation of mists/vapours.

Avoid skin contact.

No special measures necessary provided product is used

correctly.

Advice on protection against :

fire and explosion

Product is not explosive.

Hygiene measures : When using, do not eat, drink or smoke. Hands and/or face

should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

7.2 Conditions for safe storage, including any incompatibilities

Further information on stor-

age conditions

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Advice on common storage : Observe TRGS 509/510 storage rules.

Recommended storage tem- :

perature

5 - 35 °C

7.3 Specific end use(s)

Specific use(s) : For the relevant identified use(s) listed in Section 1 the advice

mentioned in this section 7 is to be observed.

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# **SECTION 8: Exposure controls/personal protection**

# 8.1 Control parameters

Contains no substances with occupational exposure limit values.

# **Derived No Effect Level (DNEL):**

Substance name	End Use	Routes of exposure	Potential health effects	Value	
bisphenol A- epichlorohydrin resin	Consumer	Oral	Short-term exposure - systemic effects	0,75 mg/kg	
	Remarks:Repea	ated dose toxicity			
	Worker	Dermal	Short-term exposure - systemic effects	8,33 mg/kg	
	Remarks:Repea	ated dose toxicity	•	•	
	Consumer	Dermal	Long-term exposure- systemic effects	3,571 mg/kg	
	Remarks:Repeated dose toxicity				
	Worker	Dermal	Long-term exposure- systemic effects	8,33 mg/kg	
	Remarks:Repeated dose toxicity				
	Consumer	Dermal	Short-term exposure - systemic effects	3,571 mg/kg	
	Remarks:Repea	ated dose toxicity	•		
	Worker	Inhalation	Short-term exposure - systemic effects	12,25 mg/m3	
	Remarks:Repea	ated dose toxicity	•		
	Consumer	Oral	Long-term exposure- systemic effects	0,75 mg/kg	
	Remarks:Repeated dose toxicity				
	Worker	Inhalation	Long-term exposure- systemic effects	12,25 mg/m3	
	Remarks:Repeated dose toxicity				
1,6-bis(2,3- epoxypropoxy)hexane	Consumer	Dermal	Short-term exposure - local effects	13,6 µg/cm²	
	Remarks:Skin s	Remarks:Skin sensitization			
	Worker	Inhalation	Long-term exposure- systemic effects	4,9 mg/m3	
	Remarks:Repea	ated dose toxicity			
	Consumer	Oral	Long-term exposure- systemic effects	0,83 mg/kg	
	Remarks:Repeated dose toxicity				
	Consumer	Dermal	Long-term exposure - local effects	13,6 µg/cm²	
	Remarks:Skin sensitization				
	Worker	Inhalation	Short-term exposure - systemic effects	4,9 mg/m3	
	Remarks:Repeated dose toxicity				
	Consumer	Dermal	Short-term exposure - systemic effects	1,7 mg/kg	
	Remarks:Repea	ated dose toxicity	, , , , , , , , , , , , , , , , , , ,	1	
	Worker	Dermal	Short-term exposure	22,6 µg/cm <sup>2</sup>	

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		- local effects	
Remarks:Skin sensitization			
Worker	Dermal	Long-term exposure - local effects	22,6 µg/cm²
Remarks:Skin sensitization			
Consumer	Oral	Short-term exposure - systemic effects	0,83 mg/kg
Remarks:Repea	ted dose toxicity		
Worker	Inhalation	Long-term exposure - local effects	0,44 mg/m3
Remarks:May cause respiratory irritation.			
Consumer	Dermal	Long-term exposure- systemic effects	1,7 mg/kg
Remarks:Repeated dose toxicity			
Worker	Dermal	Long-term exposure- systemic effects	2,8 mg/kg
Remarks:Repeated dose toxicity			
Consumer	Inhalation	Long-term exposure - local effects	0,27 mg/m3
Remarks:May cause respiratory irritation.			
Consumer	Inhalation	Short-term exposure - systemic effects	2,9 mg/m3
Remarks:Repea	ted dose toxicity		

# **Predicted No Effect Concentration (PNEC):**

Substance name	Environmental Compartment	Value
calcium carbonate	STP	100 mg/l
bisphenol A-epichlorohydrin resin	sediment (freshwater)	0,996 mg/kg
	soil	0,196 mg/kg
	STP	10 mg/l
	Sea water	0,0006 mg/l
	oral (secondary poisoning)	11 mg/kg
	intermittent release	0,018 mg/l
	sediment (marine water)	0,0996 mg/kg
	freshwater	0,006 mg/l
1,6-bis(2,3-	sediment (freshwater)	0,283 mg/kg
epoxypropoxy)hexane		
	freshwater	0,0115 mg/l
	intermittent release	0,115 mg/l
	soil	0,223 mg/kg
	sediment (marine water)	0,0283 mg/kg
	Sea water	0,00115 mg/l
	STP	1 mg/l

# 8.2 Exposure controls

## Personal protective equipment

Eye/face protection : Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Hand protection

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Remarks : Chemical resistant protective gloves (EN 374) Manufacturer's

directions for use should be observed because of great diversity of types. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time

determined through testing.

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): butyl rubber (butyl) - 0.7 mm coating thickness fluoroelastomer (FKM) - 0.7 mm

coating thickness

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374) polyvinylchloride (PVC) - 0.7 mm coating thickness chloroprene rubber (CR) - 0.5 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness nitrile rubber (NBR)

ness

Skin and body protection : Body protection must be chosen depending on activity and

possible exposure, e.g. apron, protecting boots, chemicalprotection suit (according to EN 14605 in case of splashes or

EN ISO 13982 in case of dust).

Respiratory protection : Wear respiratory protection if ventilation is inadequate.

Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type

ABEK).

Protective measures : Do not inhale gases/vapours/aerosols.

Avoid contact with the skin, eyes and clothing.

Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene

and safety practice.

Wearing of closed work clothing is recommended.

## **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Appearance : liquid

Color : white

Odor : characteristic

Odor Threshold : not determined

pH : substance/mixture is non-soluble (in water)

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Melting point : Not applicable

Boiling point : > 35 °C

Flash point : > 100 °C

Evaporation rate : No data available

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower

flammability limit

No data available

Vapor pressure : < 500 Pa

Relative vapor density : No data available

Relative density : 1,5 - 1,6

Density : 1,5 - 1,6 g/cm3 (20 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

not applicable for mixtures

Autoignition temperature : not determined

Decomposition temperature : No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : not determined

9.2 Other information

Flammability (liquids) : No data available

Particle size : No data available

Self-ignition : not self-igniting

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## **SECTION 10: Stability and reactivity**

## 10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

#### 10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : The product is stable if stored and handled as pre-

scribed/indicated.

10.4 Conditions to avoid

Conditions to avoid : See SDS section 7 - Handling and storage.

10.5 Incompatible materials

Materials to avoid : Strong acids

Strong bases

Strong oxidizing agents Strong reducing agents

#### 10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

## **Acute toxicity**

Not classified based on available information.

#### Skin corrosion/irritation

Causes skin irritation.

## Serious eye damage/eye irritation

Causes serious eye irritation.

## Respiratory or skin sensitization

## Skin sensitization

May cause an allergic skin reaction.

## Respiratory sensitization

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

## Carcinogenicity

Not classified based on available information.

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#### Reproductive toxicity

Not classified based on available information.

## STOT-single exposure

Not classified based on available information.

#### STOT-repeated exposure

Not classified based on available information.

## **Aspiration toxicity**

Not classified based on available information.

## **Further information**

## **Product:**

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

The product has not been tested. The statements on toxicology have been derived from the properties of the individual

components.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### **Product:**

## **Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

## 12.2 Persistence and degradability

## **Product:**

Biodegradability : Remarks: Taking into consideration the properties of several

ingredients, the product is estimated not to be readily biode-

gradable according to OECD classification.

Stability in water : Remarks: The product is slightly soluble in water. It can be

eliminated from water by abiotic processes.

## 12.3 Bioaccumulative potential

#### **Product:**

Bioaccumulation : Remarks: Because of the product's consistency and low water

solubility, bioavailability is improbable.

## 12.4 Mobility in soil

#### Product:

Distribution among environ- : Remarks: The substance will not evaporate into the atmos-

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mental compartments phere from the water surface.

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not ex-

pected.

#### 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

## **Product:**

Additional ecological infor-

mation

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual

components.

## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : Observe national and local legal requirements.

Residues should be disposed of in the same manner as the

substance/product.

Contaminated packaging : Contaminated packaging should be emptied as far as possi-

ble; then it can be passed on for recycling after being thor-

oughly cleaned.

# **SECTION 14: Transport information**

#### 14.1 UN number

ADR : UN 3082
RID : UN 3082
IMDG : UN 3082
IATA : UN 3082

14.2 UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-F-EPICHLORHYDRIN RESINS, 1,6-BIS(2,3-

EPOXYPROPOXY)HEXANE)

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RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-F-EPICHLORHYDRIN RESINS, 1,6-BIS(2,3-

EPOXYPROPOXY)HEXANE)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-F-EPICHLORHYDRIN RESINS, 1,6-BIS(2,3-

EPOXYPROPOXY)HEXANE)

IATA : Environmentally hazardous substance, liquid, n.o.s.

(BISPHENOL-F-EPICHLORHYDRIN RESINS, 1,6-BIS(2,3-

EPOXYPROPOXY)HEXANE)

14.3 Transport hazard class(es)

 ADR
 : 9

 RID
 : 9

 IMDG
 : 9

 IATA
 : 9

14.4 Packing group

ADR

Packing group : III
Classification Code : M6
Hazard Identification Number : 90

Labels : 9 (EHSM)

Tunnel restriction code : (-)

**RID** 

Packing group : III
Classification Code : M6
Hazard Identification Number : 90

Labels : 9 (EHSM)

**IMDG** 

Packing group : III

Labels : 9 (EHSM) EmS Code : F-A, S-F

IATA (Cargo)

Packing instruction (cargo : 964

aircraft)

Packing instruction (LQ) : Y964
Packing group : III

Labels : Miscellaneous, Environmentally hazardous

IATA (Passenger)

Packing instruction (passen- : 964

ger aircraft)

Packing instruction (LQ) : Y964
Packing group : III

Labels : Miscellaneous, Environmentally hazardous

14.5 Environmental hazards

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**ADR** 

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

**IMDG** 

Marine pollutant : yes

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## **SECTION 15: Regulatory information**

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

KKDIK (30105 (Bis)) - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex 17)

Conditions of restriction for the following entries should be considered: Number on list 3

Regulation on Persistent Organic Pollutants (Number

30595 and subsequent amendments published)

: Not applicable

Regulation on prevention of major industrial accidents. Reg number 30702

E2

**ENVIRONMENTAL HAZARDS** 

#### Other regulations:

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

T.R. Regulation on Classification, Labeling and Packaging of Substances and Mixtures, dated December 11, 2013 and numbered 28848 from the Ministry of Environment and Urbanization and the subsequent amendments published.

## 15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

## **SECTION 16: Other information**

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

H315 : Causes skin irritation.

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H317 : May cause an allergic skin reaction. H319 : Causes serious eye irritation.

H411 : Toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard

Eye Irrit. : Eye irritation
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitization

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### **Further information**

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# **MasterFlow 936AN PART A**

 Version
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 1.1
 25.07.2023
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Certification Date: 29.07.2020 Certificate Expiry Date: 29.07.2025 Classification of the mixture:

Classification procedure:

Skin Irrit. 2 H315 Calculation method
Eye Irrit. 2 H319 Calculation method
Skin Sens. 1 H317 Calculation method
Aquatic Chronic 2 H411 Calculation method

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