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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 B

Product code : 00000000050489091

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

Recommended restrictions : Industrial use, Professional use, Consumer use

on 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

mabas-eb@mbcc-group.com

1.4 Emergency telephone

ChemTel: +1-813-248-0585

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification T.R. SEA No 28848

Acute toxicity, Category 4

Skin corrosion/irritation, Category 1A

Serious eye damage/eye irritation, Cate-

gory 1

Skin sensitization, Category 1B

Hazardous to the aquatic environment - chronic hazard, Category 3

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2.2 Label elements

Labeling T.R. SEA No 28848

Hazard pictograms





Signal Word : Danger

Hazard Statements : H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H314 Causes severe skin burns and eye damage.H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : Preven

Prevention:

P280 Wear protective gloves/ protective clothing/ eye protec-

tion/ face protection.

P260 Do not breathe dust or mist.
P273 Avoid release to the environment.

P272 Contaminated work clothing should not be allowed out

of the workplace.

P270 Do not eat, drink or smoke when using this product. P264 Wash face, hands and any exposed skin thoroughly

after handling.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/ doctor/

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 IF INHALED: Remove person to fresh air and

keep comfortable for breathing.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do

NOT induce vomiting.

P362 + P364 Take off contaminated clothing and wash it

before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to appropriate hazard-

ous waste collection point.

Hazardous ingredients which must be listed on the label:

1,3-Cyclohexanedimethanamine

Phenol, styrenated

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4-tert-butylphenol

m-Phenylenebis(methylamine)

2.3 Other hazards

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 : Amines

Components

Chemical name	CAS-No. EC-No. Index-No. Registration num- ber	Classification	Concentration (% w/w)
1,3-Cyclohexanedimethanamine	2579-20-6 219-941-5	Acute Tox.4; H302 Acute Tox.4; H312 Skin Corr.1A; H314 Eye Dam.1; H318 Aquatic Chronic3; H412	>= 20 - <= 50
Phenol, styrenated	61788-44-1 262-975-0	Skin Irrit.2; H315 Skin Sens.1; H317 Aquatic Chronic2; H411	>= 5 - <= 10
Salicylic acid	69-72-7 200-712-3 607-732-00-5	Acute Tox.4; H302 Eye Dam.1; H318 Repr.2; H361d	>= 1 - <= 5
4-tert-butylphenol	98-54-4	Skin Corr.2; Eye Dam.1; Repr.2; STOT SE3; Aquatic Chronic2;	>= 1 - < 3
m-Phenylenebis(methylamine)	1477-55-0 216-032-5	Skin Corr.1B; H314 Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Chronic3; H412 Acute Tox.4; H302 Acute Tox.4; H332	>= 1 - <= 5

For explanation of abbreviations see section 16.

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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.

Do not induce vomiting unless told to by a poison control cen-

ter or doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Information, i.e. additional information on symptoms and ef-

fects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in

Section 11.

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

Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod- :

ucts

nitrogen oxides fumes/smoke

carbon black

corrosive gases/vapours

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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.

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 Use personal protective clothing.

Do not breathe vapour/aerosol/spray mists.

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 Pick up with suitable appliance and dispose of.

Dispose of absorbed material in accordance with regulations.

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.

Ensure adequate ventilation.

No special measures necessary provided product is used

correctly.

Advice on protection against

fire and explosion

The product is not an oxidizer, not self-combustible and 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).

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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, wellventilated place away from ignition sources, heat or flame.
 Protect from direct sunlight. Store protected against freezing.

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

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.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Personal protective equipment

Eye protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Hand protection

Remarks : Suitable chemical resistant safety gloves (EN 374) also with

prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Manufacturer's directions for use should be observed because of great diversity of types.

Skin and body protection : Body protection must be chosen based on level of activity and

exposure.

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.

Handle in accordance with good building materials hygiene

and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Color : red

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Odor : amine-like

pH : Not applicable

boiling temperature : > 200 °C

Flash point : $> 100 \, ^{\circ}\text{C}$

Relative density : 1,4 - 1,5

Density : 1,5 g/cm3 (20 °C)

Solubility(ies)

Water solubility : No data available

Autoignition temperature : not determined

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

scribed/indicated.

Explosive properties : Not explosive

Oxidizing properties : not determined

9.2 Other information

No data available

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 : Oxidizing agents

Acids epoxide Peroxides

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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

Harmful if swallowed.

Components:

m-Phenylenebis(methylamine):

Acute oral toxicity : LD50 (Rat, male/female): > 200 - < 2.000 mg/kg

Method: Acute Oral Toxicity.

GLP: yes

LD50 (Rat, male/female): 980 - 1.090 mg/kg

Method: Acute oral toxicity

GLP: no

Acute inhalation toxicity : LC50 (Rat, male/female): 1,34 mg/l

Exposure time: 4 h

Method: Acute Inhalation Toxicity Test substance: An aerosol was tested.

GLP: yes

Acute dermal toxicity : LD50 (Rat, male/female): approx. 2.600 mg/kg

Method: BASF test

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

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.

Reproductive toxicity

Not classified based on available information.

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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.

Product:

No aspiration hazard expected.

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

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

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

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.

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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

ADN : UN 2735
ADR : UN 2735
RID : UN 2735
IMDG : UN 2735
IATA : UN 2735

14.2 UN proper shipping name

ADN : AMINES, LIQUID, CORROSIVE, N.O.S.

(1,3-CYCLOHEXANEDIMETHANAMINE, M-

PHENYLENEBIS(METHYLAMINE))

ADR : AMINES, LIQUID, CORROSIVE, N.O.S.

(1,3-CYCLOHEXANEDIMETHANAMINE, M-

PHENYLENEBIS(METHYLAMINE))

RID : AMINES, LIQUID, CORROSIVE, N.O.S.

(1,3-CYCLOHEXANEDIMETHANAMINE, M-

PHENYLENEBIS(METHYLAMINE))

IMDG : AMINES, LIQUID, CORROSIVE, N.O.S.

(1,3-CYCLOHEXANEDIMETHANAMINE, M-

PHENYLENEBIS(METHYLAMINE))

IATA : AMINES, LIQUID, CORROSIVE, N.O.S.

(1,3-CYCLOHEXANEDIMETHANAMINE, M-

PHENYLENEBIS(METHYLAMINE))

14.3 Transport hazard class(es)

ADN : 8
ADR : 8
RID : 8
IMDG : 8

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IATA : 8

14.4 Packing group

ADN

Packing group : III Labels : 8

ADR

Packing group : III
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : (E)

RID

Packing group : III
Hazard Identification Number : 80
Labels : 8

IMDG

Packing group : III Labels : 8

EmS Code : F-A, S-B

IATA (Cargo)

Packing instruction (cargo : 856

aircraft)

Packing group : III

Labels : Corrosive

IATA (Passenger)

Packing instruction (passen- : 852

ger aircraft)

Packing group : III

Labels : Corrosive

14.5 Environmental hazards

ADN

Environmentally hazardous : no

ADR

Environmentally hazardous : no

RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

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.

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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

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.

15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

SECTION 16: Other information

Full text of H-Statements

H302 : Harmful if swallowed.

H312 : Harmful in contact with skin.

H314 : Causes severe skin burns and eye damage.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.
H318 : Causes serious eve damage.

H332 : Harmful if inhaled.

H361d : Suspected of damaging the unborn child.
H411 : Toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Chronic : Hazardous to the aquatic environment - chronic hazard

Aquatic Chronic : Long-term (chronic) aquatic hazard

Eye Dam. : Serious eye damage Repr. : Reproductive toxicity Skin Corr. : Skin corrosion Skin Irrit. : Skin sensitization : Skin sensitization

STOT SE : Specific target organ toxicity - single exposure

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; AICS - Australian Inventory of Chemical Substances; 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;

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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; 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

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