

Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 30.04.2010

Version: 1.1

Product: **MASTERTOP P 609,PART B COLORLESS**

(30352690/SDS_GEN_EU/EN)

Date of print 01.05.2010

1. Identification of the substance/mixture and of the company/undertaking

MASTERTOP P 609,PART B COLORLESS

Use: Product for construction chemicals

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Construction Chemicals

Telephone: +49 621 60-74354

Telefax number: +49 621 60-6674354

E-mail address: info.construction-chemicals@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

According to REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Label elements and precautionary statement:

Pictogram:



Signal Word:

| Danger

Hazard Statement:

Causes severe skin burns and eye damage. Harmful in contact with skin. Harmful if swallowed. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

Wear protective gloves/clothing and eye/face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust or mist. Avoid release to the environment. Contaminated work clothing should not be allowed out of the workplace. Wash with plenty of water and soap thoroughly after handling. Do not eat, drink or smoke when using this product.

Precautionary Statements (Response):

Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (on hair): Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse. IF SWALLOWED: rinse mouth. Specific treatment (see on this label). Collect spillage. Specific measures (see on this label). Do NOT induce vomiting.

Precautionary Statements (Storage):

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements (Disposal):

Dispose of contents/container to hazardous or special waste collection point.

Classification of the substance and mixture:

Aspiration hazard: Cat. 1

Acute toxicity: Cat. 4 (oral)

Acute toxicity: Cat. 4 (dermal)

Skin corrosion/irritation: Cat. 1B

Skin sensitizer: Cat. 1

Specific target organ toxicity following single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Chronic hazards to the aquatic environment: Cat. 2

Possible Hazards (according to Directive 67/548/EWG or 1999/45/EC)

Flammable.

Harmful in contact with skin and if swallowed.

Causes burns.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

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3. Composition/Information on Ingredients

Chemical nature

Preparation based on: amine

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Content (W/W): $\geq 25\%$ - $< 75\%$	Acute tox.: Cat. 4 (oral)
CAS Number: 2855-13-2	Acute tox.: Cat. 4 (dermal)
EC-Number: 220-666-8	Skin corr./irr.: Cat. 1B
INDEX-Number: 612-067-00-9	Skin sens.: Cat. 1
	Eco chronic: Cat. 3

| Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified

Content (W/W): $\geq 25\%$ - $< 50\%$	Aspiration: Cat. 1
CAS Number: 64742-95-6	Flam. Liq.: Cat. 3
EC-Number: 265-199-0	STOT single: Cat. 3 (drowsiness and dizziness)
INDEX-Number: 649-356-00-4	Eco chronic: Cat. 2

| 2,4,6-tris(dimethylaminomethyl)phenol

Content (W/W): $\geq 1\%$ - $< 10\%$	Acute tox.: Cat. 4 (oral)
CAS Number: 90-72-2	Skin corr./irr.: Cat. 2
EC-Number: 202-013-9	Eye dam./irr.: Cat. 2
INDEX-Number: 603-069-00-0	

Hazardous ingredients

according to Directive 1999/45/EC

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Content (W/W): $\geq 25\%$ - $< 75\%$
 CAS Number: 2855-13-2
 EC-Number: 220-666-8
 INDEX-Number: 612-067-00-9
 Hazard symbol(s): C
 R-phrases(s): 21/22, 34, 43, 52/53

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified

Content (W/W): $\geq 25\%$ - $< 50\%$
 CAS Number: 64742-95-6
 EC-Number: 265-199-0
 INDEX-Number: 649-356-00-4
 Hazard symbol(s): Xn, N
 R-phrases(s): 10, 65, 66, 67, 51/53

2,4,6-tris(dimethylaminomethyl)phenol

Content (W/W): $\geq 1\%$ - $< 10\%$

CAS Number: 90-72-2

EC-Number: 202-013-9

INDEX-Number: 603-069-00-0

Hazard symbol(s): Xn

R-phrase(s): 22, 36/38

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

On skin contact:

Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth and then drink plenty of water. Do not induce vomiting due to aspiration hazard. Do not induce vomiting unless told to by a poison control center or doctor.

5. Fire-Fighting Measures

Suitable extinguishing media:

dry extinguishing media, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment:

Wear a self-contained breathing apparatus.

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Further information:

The degree of risk is governed by the burning substance and the fire conditions. Containers may rocket or explode in heat of fire. Keep containers cool by spraying with water if exposed to fire. 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.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Avoid prolonged inhalation. Avoid contact with the skin, eyes and clothing. Avoid all sources of ignition: heat, sparks, open flame.

Environmental precautions:

Prevent spread over a wide area (e.g. by containment or oil barriers). Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For large amounts: Pump off product.

For residues: Pick up with inert absorbent material (e.g. sand, earth etc.). Correctly dispose of recovered product immediately.

7. Handling and Storage

Handling

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Provide good room ventilation even at ground level (vapours are heavier than air).

Protection against fire and explosion:

Sources of ignition should be kept well clear. Take precautionary measures against static discharges. Substance/product can form explosive mixture with air. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

Storage

Suitable materials for containers: tin (tinplate)

Further information on storage conditions: Keep container tightly closed and in a well-ventilated place. Keep away from heat. Avoid all sources of ignition: heat, sparks, open flame.

8. Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point <65 °C, f.e. EN 14387 Type AX)

Hand protection:

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) and other Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

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

Body protection:

Body protection must be chosen based on level of activity and exposure., Antistatic apron

General safety and hygiene measures:

Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Avoid prolonged and/or repeated contact with the skin. Handle in accordance with good building materials hygiene and safety practice. 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).

9. Physical and Chemical Properties

Form: liquid
Colour: colourless
Odour: solvent-like

pH value: not applicable

Flash point: approx. 45 °C (DIN 53213-1)
Lower explosion limit: 0.7 %(V)
Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

Vapour pressure: approx. 30 hPa
(50 °C)

Density: approx. 1 g/cm³
(20 °C)

Viscosity, dynamic: 16 mPa.s
(20 °C)

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Thermal decomposition: 380 °C

Hazardous reactions:

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

11. Toxicological Information

Acute toxicity

Information on: 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Experimental/calculated data:

LD50 rat (oral): 1,030 mg/kg

Literature data.

Information on: 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Experimental/calculated data:

(dermal):No data available. The European Union (EU) has classified this substance as 'harmful'.

Respiratory/Skin sensitization

Assessment of sensitization:

May produce an allergic reaction. Sensitization after skin contact possible.

Experimental/calculated data:

May produce an allergic reaction.

Other relevant toxicity information

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Ecotoxicity

Information on: 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms.

Information on: Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms.

Additional information

Other ecotoxicological advice:

The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal Considerations

Observe national and local legal requirements.

The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport

ADR

Hazard class: 3
Packing group: III
ID number: UN 2924
Hazard label: 3, 8, EHSM
Proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (contains 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE, PROPYLBENZENE)

RID

Hazard class: 3
Packing group: III
ID number: UN 2924
Hazard label: 3, 8, EHSM
Proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (contains 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE, PROPYLBENZENE)

Inland waterway transport

ADNR

Hazard class: 3
Packing group: III
ID number: UN 2924
Hazard label: 3, 8, EHSM
Proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (contains 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE, PROPYLBENZENE)

Sea transport

IMDG

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Hazard class:	3
Packing group:	III
ID number:	UN 2924
Hazard label:	3, 8, EHS
Marine pollutant:	YES
Proper shipping name:	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (contains 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE, PROPYL BENZENE)

Air transport

IATA/ICAO

Hazard class:	3
Packing group:	III
ID number:	UN 2924
Hazard label:	3, 8
Proper shipping name:	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (contains 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE, PROPYL BENZENE)

15. Regulatory Information**Regulations of the European union (Labelling) / National legislation/Regulations**Directive 1999/45/EC ('Preparation Directive'):

Hazard symbol(s)	
C	Corrosive.
N	Dangerous for the environment.
R-phrase(s)	
R10	Flammable.
R21/22	Harmful in contact with skin and if swallowed.
R34	Causes burns.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

S-phrase(s)	
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S51	Use only in well-ventilated areas.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Hazard determining component(s) for labelling: ISOPHORONEDIAMINE, SOLVENT NAPHTHA

Other regulations

16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

C	Corrosive.
Xn	Harmful.
N	Dangerous for the environment.
21/22	Harmful in contact with skin and if swallowed.
34	Causes burns.
43	May cause sensitization by skin contact.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
10	Flammable.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
22	Harmful if swallowed.
36/38	Irritating to eyes and skin.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.