

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

MS64T20-9502

Version 12.0

Revision Date: 16.01.2019

Former date: 09.09.2015

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

1.1 Product identifier

Trade name : MS64T20-9502

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

Use of the Substance/Mixture : raw material for plastics industry

1.3 Details of the supplier of the safety data sheet

Supplier : Borealis AG
Wagramer Strasse 17-19, 1220 Vienna, Austria
Telephone: +43 1 22400 0

E-mail address : sds@borealisgroup.com

1.4 Emergency telephone number

Contact your national emergency telephone number.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling:

EUH208 Contains diamine. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

The product contains small amounts of a substance classified as sensitising, which may produce an allergic reaction to susceptible personnel.

Personnel sensitised to this substance should not be allowed to handle the product.

Inhalation of dust may irritate the respiratory tract.

Prolonged inhalation of high doses of decomposition products may give headache or irritation of the

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respiratory tract.

The product burns, but is not classified as flammable.

Results of PBT and vPvB 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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : The product is a polypropylene homopolymer (CAS No 9003-07-0).
It contains talc (EC No 238-877-9, CAS No 14807-96-6).
It contains carbon black (EC No 215-609-9, CAS No 1333-86-4).

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
N,N,N,N-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	106990-43-6 401-990-0 613-078-00-1 01-0000015180-83	Skin Sens. 1; H317 Aquatic Chronic 2; H411 STOT RE 2; H373	>= 0,1 - < 0,25

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No specific instructions needed.

If inhaled : Move to fresh air.

In case of skin contact : Cool melted product on skin with plenty of water. Do not remove solidified product.

In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Inhalation of dust may provoke the following symptoms:
Headache
Respiratory irritation

Skin contact:
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No specific instructions needed.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water in spread jet, dry chemicals, foam or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Principal toxicant in the smoke is carbon monoxide.

5.3 Advice for firefighters

Special protective equipment : Wear self-contained breathing apparatus and protective suit for firefighters

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

No specific measures identified.

6.3 Methods and material for containment and cleaning up

Vacuum or sweep up spill.
All spill of material must be removed immediately to prevent slipping accidents.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid inhalation of dust and decomposition fumes.
Provide adequate ventilation.
Local exhaust ventilation may be necessary.
Avoid contact with skin and eyes.
- Advice on protection against fire and explosion : Dust from the product gives a potential risk for dust explosion.
All equipment shall be grounded.
- Hygiene measures : Provide adequate ventilation. Local exhaust ventilation may be necessary.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Safety aspects do not require any special precautions in terms of storage.

7.3 Specific end use(s)

- Specific use(s) : Raw material for automotive applications.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

For national exposure limit (OEL) values, check country specific safety data sheets.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
MS64T20-9502				
Remarks:	Not applicable			

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
MS64T20-9502		
Remarks:	Not applicable	

8.2 Exposure controls

Personal protective equipment

- Eye protection : Safety glasses
(EN 166)

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Hand protection	
Material	: Nitrile rubber
Remarks	: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Skin and body protection	: Protective suit
Respiratory protection	: Ensure adequate ventilation.
Environmental exposure controls	
General advice	: No specific measures identified.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: pellets
Colour	: black
Odour	: odourless
pH	: No data available
Melting range	: 130 - 170 °C
Boiling range	: Not applicable
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: The product is not flammable.
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: Not applicable

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Relative vapour density	: Not applicable
Density	: 1,1 - 1,2 g/cm ³
Bulk density	: 500 - 600 kg/m ³
Solubility(ies)	
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: Not applicable
Ignition temperature	: > 320 °C
Viscosity	
Viscosity, kinematic	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

The product is a stable thermoplastic, with no chemical reactivity.

10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

Under fire conditions:, Carbon monoxide

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During processing and thermal treatment of the product, small amounts of volatile hydrocarbons may be released.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Remarks: No known effect.

Acute inhalation toxicity : Remarks: No known effect.

Acute dermal toxicity : Remarks: No known effect.

Skin corrosion/irritation

Product:

No known effect.

Serious eye damage/eye irritation

Product:

No known effect.

Respiratory or skin sensitisation

Product:

Repeated or prolonged exposure

May cause sensitisation of susceptible persons by skin contact.

Product:

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

Further information

Product:

Remarks: The product is not classified as dangerous according to Regulation (EC) No. 1272/2008. Inhalation of dust may irritate the respiratory tract. Prolonged inhalation of high doses of decomposition products may give headache or irritation of the respiratory tract.

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SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae : Remarks: No data available

Toxicity to bacteria :
Remarks: No data available

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: Not readily biodegradable.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

12.4 Mobility in soil

Product:

Mobility : Remarks: Not expected to adsorb on soil.

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 information : Remarks: The product is not considered hazardous for the environment.
Contains small amounts of a substance classified hazardous for the environment, but the concentration is far below the

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classification limit.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Reuse or recycle if not contaminated.
The product may be safely used as fuel.
Proper combustion does not require any special flue gas control.
Check with local regulations.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

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

Remarks : Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

SECTION 15: Regulatory information

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

Other regulations : No data available

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15.2 Chemical safety assessment

no

SECTION 16: Other information

Full text of H-Statements

- | | |
|------|--|
| H317 | : May cause an allergic skin reaction. |
| H373 | : May cause damage to organs through prolonged or repeated exposure. |
| H411 | : Toxic to aquatic life with long lasting effects. |

Full text of other abbreviations

- | | |
|-----------------|--|
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Skin Sens. | : Skin sensitisation |
| STOT RE | : Specific target organ toxicity - repeated exposure |

Disclaimer

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