

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



LUVOMAXX MT N-990 - 25 kilo PE Bag

Version	Revision Date:	SDS Number:	Date of last issue: 12.11.2013
2.3	29.03.2017	100000011351	Date of first issue: 16.03.2012
GB / EN			

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

1.1 Product identifier

Trade name : LUVOMAXX MT N-990 - 25 kilo PE Bag

Product code : 00000002340310125

REACH Registration Number : 01-2119384822-32-0037(LuV)01-2119384822-32-0051(LVUK)01-2119384822-32-0079(LVI)01-2119384822-32-0080(LVF)

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Substance name : Carbon black

CAS-No. : 1333-86-4

EC-No. : 215-609-9

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

Use of the Substance/Mixture : Chemical for the production of rubber articles, Rubber additive, plastic additive, pigment, chemical reagent, refractories, portable energy, other carbon formulations, Additive for paints

1.3 Details of the supplier of the safety data sheet

Company : Lehmann & Voss & Co. KG
Alsterufer 19
20354 Hamburg
Germany

Telephone : 49(0)40/44197-0
Responsible/issuing person : EHUS@lehvoss.de

1.4 Emergency telephone number

Telephone : (DE): GIZ Giftinformationszentrum-Nord
(all msds available)
49(0)551/19240

: (GB): National Poisons Inform. Service
0844 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

As an inorganic compound with the chemical structure C, carbon black will not be degraded by microorganisms. Carbon contains no water-soluble groups, e.g. alcohols, ethers, esters, or acids and is therefore insoluble in water. As substantially elemental carbon it cannot further be degraded by hydrolysis or photo degradation. Based on the physical-chemical properties of carbon black as an inert solid, its insolubility and stability in water and in organic solvents, and its particular character and forming of aggregates and agglomerates, the substance will not cross biological membranes. Bioaccumulation is not expected to occur. Furthermore, carbon is widely distributed in nature and an essential element in the components of all living organisms. Carbon black is not classified as CMR and there is no other evidence of chronic toxicity. Carbon black does therefore not fulfill the criteria given in Annex.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name	:	Carbon black
CAS-No.	:	1333-86-4
EC-No.	:	215-609-9
Chemical nature	:	CAS 1333-86-4, Carbon Black
Remarks	:	No dangerous ingredients according to Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Take off all contaminated clothing immediately.
If inhaled	:	Remove to fresh air. If symptoms persist, call a physician.
In case of skin contact	:	Wash off with soap and water. If skin irritation persists, call a physician.
In case of eye contact	:	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

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If swallowed : Clean mouth with water and drink afterwards plenty of water. If large quantities of this material are swallowed, call a physician immediately.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Carbon oxides
Hazardous decomposition products may be formed under fire conditions (see section 10).
Explosion risk in case of fire.

5.3 Advice for firefighters

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

Further information : Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid breathing dust.
Remove all sources of ignition.
Avoid contact with skin, eyes and clothing.
Material can create slippery conditions.
Wear personal protective equipment.

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Avoid dust formation.
Ensure adequate ventilation.
Contaminated surfaces will be extremely slippery.
Treat recovered material as described in the section "Disposal considerations".

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.
Avoid subsoil penetration.
Prevent spreading over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Avoid dust formation.
Sweep up or vacuum up spillage and collect in suitable container for disposal.
Risk of dust explosion.
Use approved industrial vacuum cleaner for removal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Keep container tightly closed and dry.
Provide sufficient air exchange and/or exhaust in work rooms.
Avoid creating dust.
Take precautionary measures against static discharges.
Avoid contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
Do not breathe dust.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Take measures to prevent the build up of electrostatic charge. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke.

Hygiene measures : When using do not eat, drink or smoke.
Wash hands before breaks and immediately after handling the product.
Please thoroughly clean and care for the skin after finishing work.

Dust explosion class : St1

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep tightly closed in a dry, cool and well-ventilated place.

Further information on storage conditions : Keep away from heat and sources of ignition.

Advice on common storage : Keep away from food, drink and animal feedingstuffs. Incompatible with oxidizing agents.

7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Carbon black	1333-86-4	TWA	3,5 mg/m ³	GB EH40
		STEL	7 mg/m ³	GB EH40

Further occupational exposure limits

Description	Value type	Control parameters	Basis
Carbon black	TWA	3,5 mg/m ³	GB EH40
	STEL	7 mg/m ³	GB EH40

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

Substance name	End Use	Exposure routes	Potential health effects	Value
Carbon black	Workers	Inhalation		2 mg/m ³
Remarks:	DNEL (long-term rep.)			

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system
Apply measures to prevent dust explosions.

Personal protective equipment

Eye protection : Ensure that eyewash stations and safety showers are close to the workstation location.
Safety glasses with side-shields

Hand protection

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Material	:	Protective gloves
Remarks	:	The exact break through time can be obtained from the protective glove producer and this has to be observed. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Skin and body protection	:	Wear suitable protective clothing.
Respiratory protection	:	Half mask with a particle filter P2 (EN 143)
Filter type	:	filter P2
Protective measures	:	When using do not eat, drink or smoke. Wash thoroughly after handling. Do not breathe spray. Follow the skin protection plan. Avoid contact with skin and clothing. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	powder
Colour	:	black
Odour	:	odourless
pH	:	4 - 11 (20 °C) Concentration: 50 g/l
Melting point/range	:	> 3.000 °C
Boiling point/boiling range	:	> 3.000 °C
Lower explosion limit	:	The product is not explosive at itself, but it may form explosive dust
Density	:	1,8 g/cm ³ (20 °C)
Bulk density	:	200 - 700 kg/m ³
Solubility(ies)		
Water solubility	:	insoluble
Solubility in other solvents	:	insoluble
Ignition temperature	:	> 300 °C

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Decomposition temperature : > 250 °C

9.2 Other information

Conductivity : not determined

Dust explosion class : St1

Self-ignition : >
140 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Reaction with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid : Temperature > 250 °C
Heat, flames and sparks.
Avoid dust formation.

10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and oxidizing agents.

10.6 Hazardous decomposition products

Sulphur compounds
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : LD50 Oral (Rat): > 8.000 mg/kg

Skin corrosion/irritation

Product:

Species: Rabbit

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Method: OECD Test Guideline 404
Result: No skin irritation
Prolonged or repeated contact may dry skin and cause irritation.

Serious eye damage/eye irritation

Product:

Species: Rabbit
Method: OECD Test Guideline 405
Result: No eye irritation
Dust contact with the eyes can lead to mechanical irritation.

Respiratory or skin sensitisation

Product:

No known sensitising effect.

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

Carcinogenicity

Product:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : No toxicity to reproduction

Further information

Product:

All carbon black contains trace amounts of adsorbed polynuclear aromatic hydrocarbons (PAH), some of which have been found to be carcinogens in animal studies. Carbon black has not been shown to cause cancer in humans or animals, and carbon black is not considered a carcinogen by the International Agency for Research on Cancer, the U.S. Occupational Safety and Health Administration (OSHA), or the U.S. National Toxicology Program (NTP). Epidemiologic studies of carbon black workers in the U.S. and Western Europe show no significant health effects due to occupational exposure to carbon black.

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12.6 Other adverse effects

Product:

Additional ecological information : not water endangering
The product should not be allowed to enter drains, water courses or the soil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with the European Directives on waste and hazardous waste.
In accordance with local and national regulations.
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Contaminated packaging : Dispose of in accordance with local regulations.
Dispose of as unused product.

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

Not applicable

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 : The product does not need to be labelled in accordance with EC directives or respective national laws.

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The components of this product are reported in the following inventories:

EINECS	:	Update: 1990-06-15 Listed Notification number: 215-609-9
ECHA Registered Substances	:	Update: 2011-10-19 Listed Full - Indicates registration under REACH Article 10 as a full dossier Notification number: 215-609-9

15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

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; 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; 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; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Contact Point : Business Unit Luvomaxx

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