

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : MANGO EXTRACT HS 2756 G
Revision date : 30.01.2013
Date of print : 26.06.2013

Version (Revision) : 3.0.0 (2.0.0)

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

1.1 Product identifier

MANGO EXTRACT HS 2756 G (524703)

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

No information available.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Grau Aromatics GmbH & Co. KG

Street : Bismarckstraße 4

Postal code/city : D-73525 Schwäbisch-Gmünd

Telephone : +49.7171/9114-0

Telefax : 07171/9114-10

1.4 Emergency Telephone Number

+49.7171/9114-0 (7.00 - 16.00); +49.7171/85422; E-Mail: info@grau-aromatics.de

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

None

2.2 Label elements

None

2.3 Other hazards

None

SECTION 3: Composition/ information on ingredients

3.2 Mixtures

Hazardous ingredients

None

Additional information

All ingredients of this mixture are (pre)registered according to REACH regulation.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change contaminated, saturated clothing. Wash thoroughly the body (shower or bath).

After inhalation

In case of respiratory tract irritation, consult a physician. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

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If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting. Observe risk of aspiration if vomiting occurs.

Information to physician

First Aid, decontamination, treatment of symptoms.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray Alcohol resistant foam. Dry extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Pyrolysis products, toxic Carbon monoxide.

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove all sources of ignition. Provide adequate ventilation.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant. Ensure waste is collected and contained.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clear contaminated areas thoroughly.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling



Protective measures

All work processes must always be designed so that the following is as low as possible: Inhalation. Skin contact Eye contact. Wear personal protection equipment. (see chapter 8). If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

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Floors should be impervious, resistant to liquids and easy to clean. Shafts and sewers must be protected from entry of the product. Provide for retaining containers, eg. floor pan without outflow.

Hints on joint storage**Storage class :** 12**Storage class (TRGS 510) :** 10**Further information on storage conditions**

Keep container tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6

Limit value type (country of origin) : DN(M)EL-General Population-long-term exposure-local effects-inhalativ (EC)

Limit value : 10 mg/m³

Version :

Limit value type (country of origin) : DN(M)EL-General Population-long-term exposure-systemic effects-dermal (EC)

Limit value : 213 mg/kg

Version :

Limit value type (country of origin) : DN(M)EL-General Population-long-term exposure-systemic effects-inhalation (EC)

Limit value : 50 mg/m³

Version :

Limit value type (country of origin) : DN(M)EL-General Population-long-term exposure-systemic effects-oral (EC)

Limit value : 85 mg/kg

Version :

Limit value type (country of origin) : DN(M)EL-Workers-long-term exposure-systemic effects-inhalativ (EC)

Limit value : 10 mg/m³

Version :

Limit value type (country of origin) : DN(M)EL-Workers-long-term exposure-systemic effects-inhalation (EC)

Limit value : 168 mg/m³

Version :

Limit value type (country of origin) : PNEC-Environment-sediment-fresh water (EC)

Limit value : 572 mg/kg

Version :

Limit value type (country of origin) : PNEC-Environment-soil (EC)

Limit value : 50 mg/kg

Version :

Limit value type (country of origin) : PNEC-Environment-sediment -salt water (EC)

Limit value : 57,2 mg/kg

Version :

Limit value type (country of origin) : PNEC water-salt water (EC)

Limit value : 26 mg/l

Version :

Limit value type (country of origin) : PNEC-Environment-sewage plant (EC)

Limit value : 2000 mg/l

Version :

Limit value type (country of origin) : PNEC-Environment-intermittent release (EC)

Limit value : 183 mg/l

Version :

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8.2 Exposure controls



Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Eye / face protection

goggles

Skin protection

Hand protection

DIN EN 374 NBR (Nitrile rubber). Butyl caoutchouc (butyl rubber). Breakthrough times and swelling properties of the material must be taken into consideration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Body protection

lab coat Chemical resistant safety shoes. Apron.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Combination filtering device (EN 14387) Filter types: A, B, C, K. Class 1: Maximum permitted contaminant

concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration

in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air =

10000 mL/m³ (1.0 % by vol.)

General health and safety measures

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour: yellowish

Safety relevant basis data

Physical state :

liquid

Odour:

faint fruity

Melting point / melting range :

<

-50 °C

Boiling temperature / boiling range : (1013 hPa)

ca.

180 °C

Flash point :

>

100 °C

Ignition temperature :

ca.

370 °C

Lower explosion limit :

ca.

2,4 Vol-%

Upper explosion limit :

ca.

17,4 Vol-%

Density : (20 °C)

1,03 - 1,05 g/cm³

Water solubility : (20 °C)

miscible

Solubility in other solvents:

soluble in a lot of organic solvents

pH value :

4,5 - 5,5

Partition coefficient (log p_{OW}):

ca.

-0,92

Viscosity : (20 °C)

ca.

60 mPa.s

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

Thermal decomposition can lead to the escape of irritating gases and vapours.

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10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)
Exposure route : Oral
Species : Rat
Effective dose : > 2000 mg/kg

Acute dermal toxicity

Parameter : LD50 (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 2000 mg/kg

Acute inhalation toxicity

Parameter : Inhalation risk test (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)
Exposure route : Inhalation
Species : Rat
Effective dose : no mortality
Exposure time : 8 h
Parameter : LC50 (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)
Exposure route : Inhalation
Effective dose : no data available

Irritant and corrosive effects

Primary irritation to the skin

Parameter : Primary irritation to the skin (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)
Species : Draize-test
Parameter : rabbit
Effective dose : no irritation

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) algae toxicity

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Parameter : EC50 (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)

Species : Daphnia toxicity (Daphnia magna)

Effective dose : 43500 mg/l

Exposure time : 48 h

Parameter : EC50 (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)

Species : Sea water mysidacea

Effective dose : 27300 mg/l

Exposure time : 48 h

Parameter : EC50 (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)

Species : Algae toxicity (fresh water algae)

Effective dose : 24200 mg/l

Exposure time : 72 h

Parameter : EC50 (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)

Species : Algae toxicity (sea algae)

Effective dose : 19300 mg/l

Exposure time : 72 h

Terrestrial toxicity

Acute and subchronic bird toxicity

Parameter : AOX-value: (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)

Effective dose : not relevant

Bird reproduction toxicity

Parameter : BOD5-value: (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)

Effective dose : no data available

Useful insect toxicity

Parameter : COD-value: (1,2-PROPYLENE GLYCOL ; CAS No. : 57-55-6)

Effective dose : 1,585 mg/g

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Further ecological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Handle contaminated packages in the same way as the substance itself.

Waste codes / waste designations according to EWC / AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the

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industry and process.

SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

National regulations

Water hazard class (WGK)

Class : nwg (Non-hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

07. Hints on joint storage - Storage class · 08. Occupational exposure limit values · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008 [CLP]

None

16.5 Relevant R-, H- and EUH-phrases (Number and full text)

None

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.