



SAFETY DATA SHEET

BURNT SUGAR (CARMEL)

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: BURNT SUGAR (CARMEL)

PRODUCT NO: RM058

APPLICATION/IDENTIFIED Widely used in Food and Medicine Industries

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EMERGENCY CONTACT NUMBER:

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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

Classification according to EU Directives 67/548/EEC or 1999/45/EC

67/548/EEC – Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC

Most important adverse effects

Human health: See Section 11 for toxicological information
Physical and chemical hazards: See Section 9 for physicochemical information
Potential environmental effects: See Section 12 for environmental information

Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Other labelling information

Further information: Handle in accordance with good industrial hygiene and safety practice

Other hazards

For results of PBT and vPvB assessment see Section 12.5. The product does not need to be labelled in accordance with EC directives or respective national laws

3 COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Remarks: No dangerous ingredients according to Regulation (EC) No. 1907/2006

Non hazardous component

Chemical Name	Identification Number	Amount (%)
Caramel (Colour)	CAS-No: 8028-89-5 EC-No: 232-435-9	<=100

4 FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

IF INHALED

Remove to fresh air. If symptoms persist, call a physician.

IN CASE OF SKIN CONTACT

Wash off with soap and water. Take off contaminated clothing and shoes immediately. If symptoms persist, call a physician.

IN CASE OF EYE CONTACT

If symptoms persist, call a physician. Rinse immediately with plenty of water also under the eyelids, for at least 15 minutes.

IF SWALLOWED

Drink plenty of water. DO NOT induce vomiting. If symptoms persist, call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

SYMPTOMS

See Section 11 for more detailed information on health effects and symptoms.

EFFECTS

See Section 11 for more detailed information on health effects and symptoms.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

TREATMENT

Treat symptomatically.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA

Carbon dioxide (CO₂), Foam, Dry chemical, Water.

UNSUITABLE EXTINGUISHING MEDIA

Do not use a solid water stream as it may scatter and spread fire.

SPECIAL HAZARDS ARISING FROM SUBSTANCE OR MIXTURE

SPECIFIC HAZARDS DURING FIREFIGHTING

Heating or fire can release toxic gas.

ADVICE FOR FIREFIGHTERS

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.

FURTHER INFORMATION

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Cool closed containers exposed to fire with water spray.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**PERSONAL PRECAUTIONS**

Use personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS**ENVIRONMENTAL PRECAUTIONS**

Do not flush into surface water or sanitary sewer system.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal.

FURTHER INFORMATION

Treat recovered material as described in the Section "Disposal Considerations"

REFERENCE TO OTHER SECTIONS

See Section 1 for emergency contact information

See Section 8 for information on personal protective equipment

See Section 13 for waste treatment information

7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING**ADVICE ON SAFE HANDLING**

Keep container tightly closed. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Take off all contaminated clothing immediately.

HYGIENE MEASURES

Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the workday. Provide adequate ventilation. Avoid contact with the skin and eyes.

CONDITIONS FOR SAFE STORAGE, INCLUDING AND INCOMPATIBILITIES**REQUIREMENTS FOR STORAGE AREAS AND CONTAINERS**

Suitable materials for containers: Stainless steel, polyethylene

ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION

Normal measures for preventive fire protection

FURTHER INFORMATION ON STORAGE CONDITIONS

Keep tightly closed in a dry and cool place. Keep away from heat. Keep away from direct sunlight.

ADVICE ON COMMON STORAGE

Keep away from food, drink and animal feedingstuffs.

SPECIFIC END USE(S)

No information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

	Other Occupational Exposure Limit Values
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(Additional) Information: Contains no substances with occupational exposure limit values

EXPOSURE CONTROLS**PERSONAL PROTECTIVE EQUIPMENT**

RESPIRATORY PROTECTION

ADVICE: If ventilation is insufficient, suitable respiratory protection must be provided

HAND PROTECTION

ADVICE: Protective gloves complying with EN 374

EYE PROTECTION

ADVICE: Safety goggles

SKIN AND BODY PROTECTION

ADVICE: Protective work clothing

ENVIRONMENTAL EXPOSURE CONTROLS**GENERAL ADVICE**

General Advice: Do not flush into surface water or sanitary sewer system

9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:	Liquid
Colour:	Brown
Odour:	Of Burnt Sugar
Odour threshold:	No data available
pH:	<=7
Freezing point:	No data available
Boiling point/Boiling range:	>100°C
Flash point:	>200°C
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Relative density:	1.2 – 1.4
Water solubility:	Soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, dynamic:	No data available
Explosivity:	No data available
Oxidizing properties:	No data available
Other information:	No further information available

10 STABILITY AND REACTIVITY

REACTIVITY

ADVICE: Stable under recommended storage conditions

CHEMICAL STABILITY

ADVICE: No decomposition if stored and applied as directed

POSSIBILITY OF HAZARDOUS REACTIONS

HAZARDOUS REACTIONS: No information available

CONDITIONS TO AVOID

CONDITIONS TO AVOID: Exposure to light

INCOMPATIBLE MATERIALS

MATERIALS TO AVOID: Strong bases, Strong acids, Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS DECOMPOSITION PRODUCTS: No information available

11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

ORAL

No data available

INHALATION

No data available

DERMAL

No data available

IRRITATION

SKIN

No data available

EYES

No data available

SENSITISATION

No data available

CMR EFFECTS

CMR PROPERTIES

Carcinogenicity: No data available

Mutagenicity: No data available

Reproductive toxicity: No data available

SPECIFIC TARGET ORGAN TOXICITY

SINGLE EXPOSURE

No data available

REPEATED EXPOSURE

No data available

OTHER TOXIC PROPERTIES

REPEATED DOSE TOXICITY

No data available

ASPIRATION HAZARD

No data available

FURTHER INFORMATION

OTHER RELEVANT TOXICITY INFORMATION

Handle in accordance with good industrial hygiene and safety practice

EXPERIENCE WITH HUMAN EXPOSURE

Health injuries are not known or expected under normal use

12 ECOLOGICAL INFORMATION

TOXICITY

PERSISTENCE AND DEGRADABILITY

PERSISTENCE AND DEGRADABILITY

BIODEGRADABILITY

Result: Biodegradable

BIOACCUMULATIVE POTENTIAL

BIOACCUMULATION

Result: Does not bioaccumulate

MOBILITY IN SOIL

RESULTS OF PBT AND vPvB ASSESSMENT

OTHER ADVERSE EFFECTS

ADDITIONAL ECOLOGICAL INFORMATION

Result: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

13 DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

PRODUCT

Do not let product enter drains. Dispose of in accordance with local regulations.

CONTAMINATED PACKAGING

Dispose of as unused product.

EUROPEAN WASTE CATALOGUE NUMBER

No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14 TRANSPORT INFORMATION

Not dangerous goods for ADR, RID, IMDG and IATA

UN NUMBER

Not applicable

UN PROPER SHIPPING NAME

Not applicable

TRANSPORT HAZARD CLASS(ES)

Not applicable

PACKING GROUP

Not applicable

ENVIRONMENTAL HAZARDS

Not applicable

SPECIAL PRECAUTIONS FOR USER

Not applicable

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

IMDG: Not applicable

15 REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

CHEMICAL SAFETY ASSESSMENT

No data available

16 OTHER INFORMATION

DISCLAIMER

The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this SDS is to the best of JML's knowledge correct at the time of publication. However, no guarantee is given to its accuracy, reliability or completeness and the information may not be valid if the product is used in combination with other materials or process. It is the responsibility of the user to ensure that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulatory requirements.