

07.03.2022

Kit components

Product code	Description
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M712C-C	GoTaq® Green Master Mix, 2X, 25ml
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Components:

M712	GoTaq® Green Master Mix
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Safety data sheet
according SS 586 : Part 3

Printing date 07.03.2022

Version number 6.0

Revision: 07.03.2022

1 Identification

Product identifier

Trade name: GoTag® Green Master Mix

Article number: M712

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

No further relevant information available.

Application of the substance / the preparation: Laboratory chemicals

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Promega Corporation
2800 Woods Hollow Road
Madison, WI 53711
U.S.A.
1-608-274-4330
1-800-356-9526

SDS author: chemicalregulatory@promega.com

Further information obtainable from:

Emergency telephone number:

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night. Within Singapore +800-101-2201

Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted).

2 Hazards identification

Classification of the substance or mixture

The product is not classified as hazardous according to the Globally Harmonised System (GHS).

Label elements

GHS label elements Not applicable

Hazard pictograms Not applicable

Signal word Not applicable

Hazard statements Not applicable

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterisation: Mixtures

Description:

The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances.

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Components:

1185-53-1	Tris HCl	⚠ Acute Tox. 4, H302	1-5%
56-81-5	glycerol		1-5%

Additional information: For the wording of the listed hazard phrases refer to section 15

4 First-aid measures

Description of first aid measures
General information: No special measures required.

After inhalation: If the patient feels unwell or is concerned, obtain medical advice.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If the patient feels unwell or is concerned, obtain medical advice.

Information for doctor:
Most important symptoms and effects, both acute and delayed

None

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

None known

No further relevant information available.

Advice for firefighters No special advice.

Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling

See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling No special measures required.

Information about fire - and explosion protection: The product is not flammable

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Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:

56-81-5 glycerol

WSH Long-term value: 10 mg/m³

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands:

Not required.

Select the glove material considering penetration time, rate of diffusion and degradation time.

The selected protective gloves must satisfy the specifications of REGULATION (EU) 2016/425 and the standard EN 374 derived from it or AS/NZS 2161. Please observe the instructions regarding permeability and breakthrough time which are provided by the manufacturer/supplier of the gloves. Glove material: nitrile rubber, natural rubber, neoprene or PVC.

Ensure gloves are suitable for the task which includes, but is not limited to, chemical compatibility, dexterity, operational conditions, user susceptibility, e.g., sensitization effects. Consider specific local conditions under which the product is used such as the danger of cuts and abrasion. Remove gloves with care to avoid skin contamination.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Not required.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:

Liquid

Colour:

Colourless

Odour:

Not determined

Odour threshold:

Not determined.

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pH-value at 20 °C:	8.5
Change in condition	
Melting point/freezing point:	undetermined
Initial boiling point and boiling range:	100 °C
Flash point:	Not applicable
Flammability (solid, gaseous)	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Fully miscible
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Solvent separation test	
Organic solvents:	1.0 %
Water:	76.3 %
Solids content:	22.3 %
Other information	No further relevant information available.

* 10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification: No data available

Primary irritant effect:

Skin corrosion/irritation No irritant effect.

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Serious eye damage/irritation No irritating effect.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

* 12 Ecological information

Toxicity

Aquatic toxicity: Not harmful to the aquatic environment

Persistence and degradability:

Not available

No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential

Not known

No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Not available

Additional ecological information:

General notes: Not known to be hazardous to water.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

* 13 Disposal considerations

Waste treatment methods

Recommendation

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

* 14 Transport information

UN-Number

Not hazardous for transportation

ADR, ADN, IMDG, IATA

Not applicable

UN proper shipping name

None

ADR, ADN, IMDG, IATA

Not applicable

Transport hazard class(es)

None

ADR, ADN, IMDG, IATA

Class

Not applicable

Packing group

None

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ADR, IMDG, IATA	<i>Not applicable</i>
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Environmental hazards:

Marine pollutant:	<i>No</i>
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Special precautions for user	<i>Not applicable.</i>
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Transport in bulk according to Annex II of Marpol and the IBC Code	<i>Not applicable.</i>
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UN "Model Regulation":	<i>Not applicable</i>
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15 Regulatory information

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

Poisons Act - Schedule 1

None of the ingredients is listed. This product is for research and development use only.

Poisons Act - Schedule 2, Group II

None of the ingredients is listed. This product is for research and development use only.

Health Products Act - First Schedule - Psychotropic Substances

None of the ingredients is listed. This product is for research and development use only.

GHS label elements *Not applicable*

Signal word *Not applicable*

Hazard statements *Not applicable*

Directive 2012/18/EU**Named dangerous substances - ANNEX I**

None of the ingredients is listed. This product is for research and development use only.

Waterhazard class: *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.*

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS:

*Promega Corporation
Chemical Regulatory Affairs
2800 Woods Hollow Road
Madison, WI 53711
U.S.A.*

Contact:

*Promega Corporation, Chemical Regulatory Affairs
chemicalregulatory@promega.com*

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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*CAS: Chemical Abstracts Service (division of the American Chemical Society)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Acute Tox. 4: Acute toxicity – Category 4*

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