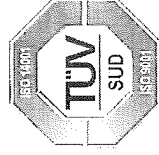


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- **Company identification**

**Company responsible**

**KAYSER** Berndorf GmbH  
 Nusswaldgasse 7  
 A-1190 Vienna  
 Austria  
 Tel.: +43 1 259 7341  
 Fax: +43 1 259 2397  
 e-mail: office@kayser.at

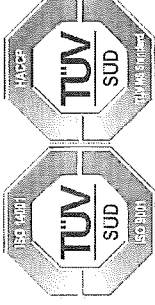


ISO 9001:2008 and ISO14001:2009 certified.

**Manufacturer**

**KAYSER**, s.r.o.

Revolucni 17  
 110 00, Prague 1  
 Provozovna/factory:  
 Svitavská 62  
 571 01 Moravská Třebová  
 Czech Republic



ISO 9001:2008, ISO14001:2009 and HACCP certified.

- **Product description**

**Use**

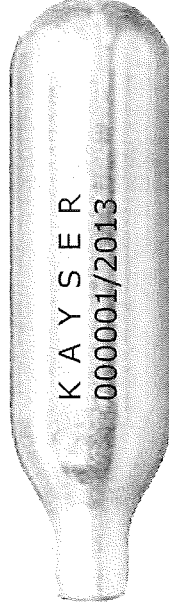
KAYSER cream chargers are to be used with KAYSER cream whippers only. They can be used to prepare whipping cream, sauces, soups, deserts and similar foods and are suitable for cold and warm applications. The instructions for use, the safety information applicable to the KAYSER cream whipper with which they are used, as well as the instructions and safety information on the charger boxes must be followed.

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<b>K A Y S E R</b> Nusswaldgasse 7 A-11190 Vienna	<b>Product information</b> <b>8 g cream chargers</b>		No: KAG.D009.7EN
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## Cream charger, 8 g

- customs tariff no.: 2811 2930
- EN Norm: EN 16509: Transportable Gas Cylinders up to 120ml
- Surface colour: silver or grey (galvanised or painted)
- non-refillable
- Printing: KAYSER, batch number/year



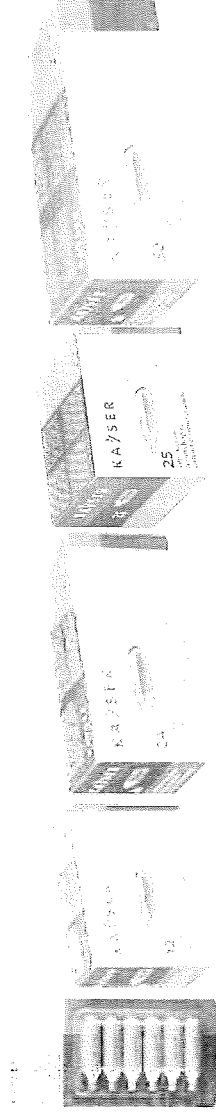
## Charger contents

### Nitrous oxide

- Chemical formula: N2O
- Other designations: Laughing gas, Dinitrogen monoxide
- Permitted food additive E number: E942
- JECFA INS code: INS 942
- CAS number: 10024-97-2
- ATC code: N01AX13
- PubChem: 948

## Packaging versions

### Box sizes



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### Minimum durability

KAYSER cream charger boxes are marked with a minimum durability date. Despite the fact that N2O is a non-perishable gas, this minimum durability date is limited to 5 years after the packaging date in order to avoid quality- or hygienic problems resulting from excessively long storage times (see also Regulation EU 1169/2011).

### Traceability

Every KAYSER cream charger is printed with a batch number to ensure traceability and to increase product safety (see also Regulation EU 1169/2011).

## • Technical data

- Charger and flanged closure cap made of steel
- State of N2O: liquid, under high pressure

### Material list

- Charger and cap material: deep drawing steel DC04
- Seal: rubber, black, food-grade
- Gas filling: N2O
- Surface protection: zinc plated coating (EN ISO 2081)

### Dimensions

- Total length: 65mm ( $\pm 0.5$ mm)
- Cylinder diameter: 18mm ( $\pm 0.2$ mm)
- Neck diameter: 8.7mm ( $\pm 0.2$ mm)
- Minimum wall thickness: 0.70 mm
- Volume: min. 10.3ml
- Charger weight: approx. 28 g
- Gas weight: 7.5 g ( $\pm 0.25$  g)

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## Gas quality

N2O-gas used in the chargers has got a purity of > 99% and corresponds to the values specified in the JECFA guidelines (INS942) and the Codex Alimentarius.

The following limits for other gas components are specified and are regularly monitored:

### KAYSER Technical Delivery Specification

- Purity: > 99 vol% N2O in the liquid phase
- Humidity (H2O): < 60 ppm at 20°C and 1.013 bar (v/v)
- Smell: pure and typically sweetish
- Taste: pure and typically sweetish
- Carbon monoxide (CO): < 5 ppm (v/v)
- Carbon dioxide (CO2): < 300 ppm (v/v)
- NH3: < 5 ppm (v/v)
- NO/ NO2: < 1 ppm (v/v)
- Halogens (Cl): < 1 ppm (v/v)

## • Warnings

- The gas may only be retrieved by using KAYSER cream whippers.
- Always follow the instructions for use and safety information for KAYSER cream whippers.
- Pressurised cylinder: do not heat above 50°C.
- Never open by force.
- Misuse may be physically harmful and dangerous for health - high concentrations can cause asphyxiation.
- Liquid gas, oxidising agent

## • Disposal and recycling

- The chargers are made of recyclable steel and can be disposed of in metal recycling facilities.
- The cardboard packaging can be recycled.

## • Handling and storage

- Store in a cool, dry place.

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- Do not store in direct sunlight or near other heat sources.
- Keep out of reach of children.
- Do not trash the charger boxes until empty.

## • Transport instructions

### Air transportation

According to IATA a transport of oxidizing agent like N<sub>2</sub>O is forbidden.

### Road, train and sea transportation

Cream chargers are not classed as dangerous goods for road, train and sea transport purposes.

#### UN number: definitions and provisions

According to the UN Recommendations on the Transport of Dangerous Goods - Model Regulations, Cream chargers are classed under the following UN number:

**UN number: 1070, Classification code: 2.2 O**

Name and description: Nitrous Oxide

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#### ARD Special provision 584:

- This gas is not subject to the requirements of ADR as long as:
- it contains not more than 0.5% air in the gaseous state<sup>1</sup>
- it is contained in metal capsules (sodors, sparklets) free from defects which may impair their strength
- the leak-proofness of the closure of the capsule is ensured
- a capsule contains not more than 25 g of this gas and
- a capsule contains not more than 0.75 g of this gas per cm<sup>3</sup> of capacity (= 0.75 kg/l).

<sup>1</sup> See: Report of the Joint Meeting of the RID Committee of Experts and the Working Party on the Transport of Dangerous Goods (spring 2010 session and autumn 2010 session)

**UN number: 2037, Classification code: 2.2 O**  
 Receptacles, small containing gas (gas cartridges)

#### Special provision 191:

Receptacles, small, containing gas are not fitted with a release device. Receptacles with a capacity not exceeding 50 ml containing only non-toxic constituents are not subject to these Regulations.

## • Other information

### REACH Regulation

Cream chargers are classified as food or food additives in accordance with EC 178/2002 and meet all the requirements specified therein. These EC 178/2002 products have been expressly exempted from the REACH Regulation. See Regulation EC 1907/2006 (REACH):

Article 2 "Application", (5)(b) and  
 Article 2 "Application", (6)(d)

### Safety data sheet

Cream chargers are not a dangerous substance according to the REACH regulation, so no safety data sheet is provided.

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## Provisions such as R and S phrases

No R and S phrases are required as the chargers are not a dangerous substance.

## REGULATION EC No 1272/2008 on classification, labelling and packaging of substances and mixtures

Cream chargers are classified as food or food additives in accordance with EC 178/2002 and meet all the requirements specified therein. These EC 178/2002 products have been expressly exempted from the Regulation EC 1272/2008. See Regulation EC 1272/2008:

Article 1 "Application", (5)(e)(i)

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