

Company identification

Company responsible

KAYSER Berndorf GmbH
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ISO 9001:2015 and ISO14001:2015 certified.

Manufacturer

KAYSER, s.r.o.
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Provozovna/factory:
Svitavská 62
571 01 Moravská Třebová
Czech Republic



ISO 9001:2015, ISO14001:2015 and HACCP certified.

Product's description

Use

KAYSER cream chargers should be only used with KAYSER cream whippers. They can be used to prepare whipped cream, sauces, soups, desserts and similar foods and are also suitable for cold and warm applications. The user's manual and the safety information provided with the KAYSER cream whippers, as well as the instructions and safety information on the charger boxes must be followed.



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Packaging

Art. Nr.	Pcs/unit	Unit/master carton	Master carton (Kg)	Cartons/Pallet	EAN-Code	Customs tariff Nr.
1116	6	40	7,2	75	9002539011169	2811 2930
1111	10	30	9,0	72	9002539011114	
1113	24	25	17,6	32	9002539011138	
1114	25	12	8,8	72	9002539011145	
1151	50	6	8,7	72	9002539011510	



Art. 1116



Art. 1111



Art. 1114



Art. 1113



Art. 1151

Technical data

Refillable	No
Surface colour	silver or grey (galvanised or painted)
Printing	KAYSER, batch number/year

Material list

Charger and cap material	deep drawing steel DC04
Seal	rubber, black, food-grade
Gas filling	N ₂ O (liquid under pressure)
Surface protection	zinc plated coating (EN ISO 2081)

Dimensions

Total length	65 mm (±0,5mm)
Cylinder diameter	18 mm (±0,2mm)
Neck diameter	8,7 mm (±0,2mm)
Minimum wall thickness	0,70 mm
Volume	min. 10,3 ml
Charger weight	~28 g
Gas weight	7,5 g (±0,25 g)

Nitrous oxide's description

Chemical formula	N ₂ O
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

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Quality of gas

KAYSER Technical Delivery Specifications

Purity	> 99 vol% N ₂ O in the liquid phase
Humidity (H ₂ O)	≤20 ppm at 20°C and 1,013 bar (v/v)
Smell	Pure, typical and sweetish
Taste	Pure, typical and sweetish
Carbon monoxide (CO)	< 5 ppm (v/v)
Carbon dioxide (CO ₂)	< 100 ppm (v/v)
Ammonia (NH ₃)	≤ 5 ppm (v/v)
Nitrogen oxides (NO/NO ₂)	≤ 1 ppm (v/v)
Halogens (Cl)	≤ 1 ppm (v/v)

Table 1.

The gas specifications described in *Table 1* are regularly monitored and are in accordance with the requirements of JECFA, Codex Alimentarius, EU, EIGA, USPh and EPh.

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 *Regulation EU 1169/2011*).

Traceability

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

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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 and dry place.
- Do not store in direct sunlight or near other heat sources.
- Keep out of reach of children.
- Dispose the charger boxes only when empty.

Transport instructions

Air transportation

According to IATA a transport of oxidizing agent like N₂O is forbidden.

Road, train and sea transportation

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

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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

ADR 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
- 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 cm³ of capacity (= 0,75 kg/l).

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

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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, therefore no safety data sheet should be provided.

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).*)

EPA-TSCA

Cream chargers are classified as food or food additives therefore they are not subject to TSCA as food and food additives are expressly exempted from it (*see chapter IV*).

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