

CONFIDENTIAL

CLARIANT PRODUCTION FRANCE
 Zac De La Grange
 41200 Romorantin Loir & Cher
 France
 Tel: +33 254 952 300
 Fax: +33 254 952 301

SPECIFICATION SHEET



MATERIAL NUMBER
25790627686

Creation date	1-Sep-97	Modification date	11-Jul-13	Revision Number	8
---------------	----------	-------------------	-----------	-----------------	---

Approved by Methods/NPI		Approved by Quality Assurance	
Name	Elisabeth CLAIREMBAULT	Name	François DUBOIS
Date	11-Jul-13	Date	11-Jul-13
Signature	<i>E. DUSSAUZET</i> <i>le 16/07/13</i>	Signature	<i>P.O. BOUVINEAU</i>

1.0 SAP description

C 29/10 NAT GEL ORANGE 3L BLEU

1.1 Description

Capsule en polypropylène naturel contenant 2.8g de gel de silice orange, imprimée sur la rondelle / Capsule made of natural polypropylene containing 2.8g of orange silica gel, printed on the paper disc.

2.0 Caractéristiques Générales/General characteristics

Plan de pièces/Drawing reference 233C
 Print plate reference/Cliché 113

Materials	Polypropylène / Polypropylene Gel de silice orange / Orange silica gel Cartonnette / Paper disc Encre / Ink	Référence interne 31MC/1 Internal reference
-----------	--	--

3.0 Caractéristiques du produit/Product criteria

Diamètre extérieur / External diameter	28.9mm +/-0.2mm
Hauteur totale / Total height	10mm +/- 0.5mm
Poids de gel / Silica gel weight	2.8g (2.38g minimum)

4.0 Conditionnement/Packaging

Number of parts per container	1000 pièces par housse aluminium / 1000 pieces per aluminium bag
Nombre de pièce par packaging	4 housses aluminium par carton de 330x330x500 / 4 aluminium bags per carton of 330x330x500

CONFIDENTIAL

CLARIANT PRODUCTION FRANCE
Zac De La Grange
41200 Romorantin Loir & Cher
France
Tel: +33 254 952 300
Fax: +33 254 952 301

SPECIFICATION SHEET

MATERIAL NUMBER
25790627686

CLARIANT 

Creation date	1-Sep-97	Modification date	11-Jul-13	Revision Number	8
---------------	----------	-------------------	-----------	-----------------	---

Palettisation/Palletization

Plan de palettisation n°001 / Pallet drawing n°001
28 cartons par palette 1000x1200 / 28 cartons per pallet of 1000x1200
Palette NIMP15 traitement à chaud / Heat treated pallet ISPM15

5.0 Etiquettes/Labels

Minimum information on
packaging and pallet labels

Manufacturers name
Material number
SAP Material description
Batch number
Quantity

6.0 Shelf life/Retesting period

12 mois à partir de la date de fabrication en housse aluminium - condition ICH Q1A (R2) / 12 months after manufacture in aluminium foil bag - condition ICH Q1A (R2).

7.0 Cahier des charges/General specifications AQL

C 11/8 Bouchons, Capsules et Sachets déshydratants standard / C 11/8 Desiccator stoppers, capsules and sachets.

* If a quality agreement is validated, the agreement supercedes general specifications.

8.0 Autres informations et/ou N° des annexes associées

Additional information and/or N° associated appendix

Non Applicable / Not Applicable.

9.0 Objet de la révision/Reason for revision

* Ancien numéro de produit Sud-Chemie C014108 remplacé par le nouveau numéro de produit Clariant 25790627686 / Old material number Sud-Chemie C014108 replaced by new material number Clariant 25790627686.

Disclaimer

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

For sales to customers located within the United States and Canada the following applies in addition NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

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

1.1. Product identifier

Trade name

C 29/10 NAT GEL ORANGE 3L BLEU

Material number: 257906

REACH - Registration number 01-2119379499-16-0016, 01-2119379499-16-0030
according to article 20(3):

CAS number : 7631-86-9

EC number : 231-545-4

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

Relevant identified uses of the substance or mixture

Type of use : Adsorbing medium for technical applications

1.3. Details of the supplier of the safety data sheet

Identification of the company

Clariant Production (France)

Rue du Flottage – BP.1
60350 Trosly Breuil
Telephone no. : +33 3 44 85 40 00

Information about the substance/mixture

Product Stewardship Dpt.
e-mail: France.ProductSafety@clariant.com

1.4. Emergency telephone number

+33 1 45 42 59 59 (24 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

The product is not classified as hazardous according to the CLP Regulation.

Classification according EC Directive (67/548/EEC or 1999/45/EC, as amended)

The product is not classified as dangerous according to EC directives/the relevant national laws.

2.2. Label elements

Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

The product does not require classification and labelling as hazardous according to CLP/GHS.

2.3. Other hazards

No additional hazards are known except those derived from the labelling.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Silicon dioxide in article

CAS number : 7631-86-9

EC number: 231-545-4

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove clothing where dust collected.

Ensure that the First Aid Personnel are aware of the product involved, and take precautions to protect themselves (e.g. wear personal protection equipment).

After inhalation

When inhaled remove to fresh air and seek medical aid.

After contact with skin

In case of contact with skin wash off immediately with plenty of water

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

After ingestion

If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

4.2. Most important symptoms and effects, both acute and delayed

Symptoms

No symptoms known currently.

Hazards

No hazards known at this time.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Substance key: 000000487920

Revision Date: 07.03.2013

Version : 1 - 0 / GB

Date of printing : 18.02.2014

Suitable extinguishing media

Product itself is non-combustible; Fire extinguishing method of surrounding areas must be discussed.

Extinguishing media that must not be used for safety reasons

none

5.2. Special hazards arising from the substance or mixture

none

5.3. Advice for firefighters

Special protective equipment for firefighting

Use self-contained breathing apparatus

Wear full protective suit.

Further information

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Do not disperse powdered product in air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear suitable personal protective equipment.

6.2. Environmental precautions

Contain contaminated water/firefighting water

Do not allow entry to drains, water courses or soil

6.3. Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust.

When picked up, treat material as prescribed under heading "Disposal".

6.4. Reference to other sections

Additional information

Information regarding Safe handling, see chapter 7.

Information regarding personal protective measures see, chapter 8.

Information regarding Waste Disposal, see chapter 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust.

Provide good ventilation of working area (local exhaust ventilation if necessary).

Substance key: 000000487920

Revision Date: 07.03.2013

Version : 1 - 0 / GB

Date of printing : 18.02.2014

Hygiene measures

Wash hands before breaks and after work.
Remove soiled or soaked clothing immediately and clean thoroughly before using again.
Do not eat, drink or smoke during work time.

Advice on protection against fire and explosion

Observe the general rules of industrial fire protection

Dust explosion class : not tested.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep only in the original container

Advice on storage compatibility

Avoid storage near incompatible agents (see section 10).

Further information on storage conditions

Keep container tightly closed and dry

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

silica, amorphous, dust
EC number: 231-545-4
CAS number : 7631-86-9

Regulatory basis / Regulatory list	Revision	Type of value	Values	Remarks
UK. EH40 WEL - Workplace Exposure Limits United Kingdom. Workplace Exposure Limits (EH40/2005): Table 1: List of approved workplace exposure limits (WELs)	2005-04-06	Long-term exposure limit (8-hour TWA reference period) Inhalable	6 mg/m3	
UK. EH40 WEL - Workplace Exposure Limits United Kingdom. Workplace Exposure Limits (EH40/2005): Table 1: List of approved workplace exposure limits (WELs)	2005-04-06	Long-term exposure limit (8-hour TWA reference period) Respirable	2.4 mg/m3	

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2. Exposure controls

Substance key: 000000487920

Revision Date: 07.03.2013

Version : 1 - 0 / GB

Date of printing : 18.02.2014

Appropriate engineering controls

Local ventilation recommended - mechanical ventilation may be used.

General protective measures

Observe the usual precautions for handling chemicals.

Avoid contact with eyes and skin

Do not inhale dust

Respiratory protection :

Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure

Particle filter P2

Hand protection :

For long-term exposure:

Butyl rubber gloves.

For short-term exposure (splash protection):

Nitrile rubber gloves.

These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Eye protection :

safety glasses

Body protection :

working clothes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state :

solid

Form :

Granules

Particle size :

not available

Colour :

white

Odour :

none

Odour threshold :

Not applicable

pH value :

4 - 9 (20 °C)
Suspension in water

Melting point :

> 1,000 °C

Boiling temperature :

not applicable

Flash point :

This information is not applicable for solids.

Evaporation rate :

This information is not applicable for solids.

Flammability :

non flammable

Lower explosion limit :

Not applicable

Upper explosive limit :

Not applicable

Minimum ignition energy :

not available

Vapour pressure :

None

C 29/10 NAT GEL ORANGE 3L BLEU

Page 6(10)

Substance key: 000000487920

Revision Date: 07.03.2013

Version : 1 - 0 / GB

Date of printing : 18.02.2014

Vapour density relative to air :	This information is not applicable for solids.
Relative Density:	not available
Solubility in water :	insoluble
Miscibility with water :	not tested.
Soluble in ... :	not available
Solubility/qualitative :	not tested.
Octanol/water partition coefficient (log Pow) :	not available
Ignition temperature :	Not applicable
Self-ignition temperature :	not available
Thermal decomposition :	not available
Viscosity (dynamic) :	This information is not applicable for solids.
Viscosity (kinematic) :	This information is not applicable for solids.
Viscosity (Efflux time) :	This information is not applicable for solids.
Explosive properties :	Explosive according to EU supply regulations : not explosive Method : Expert statement
Oxidizing properties :	Type of oxidizing effect : Not oxidizing Method : Expert statement

9.2. Other information

Density :	not available
Bulk density :	200 - 850 kg/m ³
Surface tension :	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable

10.2. Chemical stability

No decomposition if stored normally.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Exposure to moisture (hygroscopic).

10.5. Incompatible materials

air humidity
water

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information related to the product itself:

Acute oral toxicity : LD50 > 5,000 mg/kg

Acute dermal toxicity : LD50 > 2,000 mg/kg

Acute inhalation toxicity : not available

Irritant effect on skin : not irritant

Irritant effect on eyes : not irritant

Sensitization : not available

Repeated dose toxicity: not available

Genetic toxicity in vitro : not available

Carcinogenicity : not available

**Developmental
toxicity/teratogenicity :** not available

**Toxicity to
reproduction/fertility :** not available

**Specific target organ toxicity
(STOT) - single exposure :** not available

**Specific target organ toxicity
(STOT) - repeated exposure :** not available

Aspiration hazard :

Data for aspiration toxicity are not available.

SECTION 12: Ecological information

12.1. Toxicity

Information related to the product itself:

Fish toxicity : not available

Daphnia toxicity : not available

Algae toxicity : not available

Bacteria toxicity : not available

Substance key: 000000487920

Revision Date: 07.03.2013

Version : 1 - 0 / GB

Date of printing : 18.02.2014

12.2. Persistence and degradability

Information related to the product itself:

**Physico-chemical
eliminability :** not available

Biodegradability : The biological degradation is not applicable for the inorganic ingredients.

12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation: Bioaccumulation is unlikely.

12.4. Mobility in soil

Information related to the product itself:

**Transport and distribution
between environmental
compartments :** Low potential for adsorption (based on substance properties)

Behaviour in environmental compartments
not available

12.5. Results of PBT and vPvB assessment

Information related to the product itself:

Not relevant for inorganic substances

12.6. Other adverse effects

Information related to the product itself:

Additional ecotoxicological remarks

This product has no known ecotoxicological effects.
Do not allow to enter soil, waterways or waste water
Do not dispose of in the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Uncleaned packaging

Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code (International Bulk Chemicals Code)

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Observe national and local legal requirements

Legend

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AOX	Adsorbable organic bound halogens
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level

Safety Data Sheet in accordance with
Regulation (EU) No.453/2010

CLARIANT 

C 29/10 NAT GEL ORANGE 3L BLEU

Page 10(10)

Substance key: 000000487920

Revision Date: 07.03.2013

Version : 1 - 0 / GB

Date of printing : 18.02.2014

NOEC	Non Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Environmental Concentration
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bioaccumulative

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.