SPRAY CHABLONAGE

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

1.1. Product identifier

Mixture identification:

Trade name: SPRAY CHABLONAGE AZO FREE

Trade code:

white: 24780, 22740, 24700
pink: 24781, 24701
sky-blue: 24782, 22739, 24702
green: 24784, 22742, 24703
red: 24783, 22740, 24704
yellow: 24785, 22743, 24705
milk chocolate: 24787, 22746, 24707
dark chocolate: 24788, 22745, 24708
white chocolate: 24786, 22746, 24706

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

Recommended use:

this product is generally used in the food industry

1.3. Safety Data Sheet provided by:

Modecor Italiana S.r.l.
Via G. Maggi, 2 – 21030 Cuvio (Va) – Italia
tel.: +39 0332 658311
fax.: +39 0332 651135
E-mail : modecor@modecor.it

1.4. Emergency telephone number

tel: +39 3479180924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

F+ Extremely flammable

R Phrases:

R12 Extremely flammable.

EC regulation criteria 1272/2008 (CLP)

 Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:

Danger

Hazard statements:

H222+H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

Precautionary statements:

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

>= 30%-40% Isobutane

REACH No.: 01-2119485395-27, Index number: 601-004-00-0, CAS: 75-28-5, EC: 200-857-2

F+; R12 substance with a Community limit exposure in the workplace

 2.5 Press. Gas H280

 2.2/1 Flam. Gas 1 H220

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use powder, foam, CO2, water spray jet.

Extinguishing media which must not be used for safety reasons:

Do not use direct water jets on burning product.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Extremely flammable gas under pressure. The exposure of the container to fire may cause the explosion of the same.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Protective helmet with shield visor, fireproof clothes (jacket and trousers with bands around arms, legs and sides), security gloves (fire resistant, cut resistant and dielectric), overpressure mask with full face-piece or with a compressed air breathing apparatus in case of large quantity of fumes.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

Keep persons not authorised and without adequate protections far from the dangerous area. If possible stop the spilling of the product. Stand back from container. Delimit area and flush water from protected site to cool the container. Extinguish surrounding flames. It is better to have a released fired instead of fog of gas that develops and can meet a source of ignition. Cool container with water from a protect place to avoid overheating (with possibility of explosion).

Fired releases of large size, when it is not possible to extinguish stopping the flux of gas, have to be reduced and kept under control using hydrants with flow diffusor.

Use water spray to dilute the concentration of gas and restore under limit of explosion.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhaltion of vapours and mists.

See also section 8 for recommended protective equipment.

Pressurized container. Do not pierce or burn, even after use. Do not spray on a naked flame or incandescent material.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight. Store in ventilated are and at temperature inf. 50°C. Avoid accumulating electrostatic charge.

Always keep the containers tightly closed. Vapors are heavier than air and may spread close to the ground and form explosive mixtures with air. Prevent the formation of flammable or explosive concentrations in the air.

Incompatible materials:

None in particular. See also paragraph 10 below.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isobutane - CAS: 75-28-5

TLV TWA - 1000 ppm - 0 mg/m3

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:
None
Environmental exposure controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour:	Colored dispersion
Odour:	Caratheristic
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	Isobutane <-80°C
Vapour pressure:	N.A.
Solubility in water:	insoluble
Auto-ignition temperature:	isobutane 460°C
Decomposition temperature:	N.A.
Viscosity:	N.A.
Explosive properties:	N.A.
Oxidizing properties:	N.A.

9.2. Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
ISOBUTANE: Can form explosive mixture with air. It can react violently with oxidants.
10.4. Conditions to avoid
Stable under normal conditions. Keep away from heat. Avoid unpacking containers.
10.5. Incompatible materials
ISOBUTANE: Avoid contact with oxidizing substances.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological information of the mixture:

Acute oral toxicity: unknown significant toxicological effects under normal conditions of use

Acute Inhalation: Prolonged exposure to vapors from aerosol solvent can lead to irritation of the mucous membranes and respiratory tract. The symptoms manifest themselves in the form of headaches, light-headedness, dizziness, and in extreme cases loss of consciousness. High concentrations (difficult to reach under normal conditions of use) causes narcotic effects.

Irritant effects for direct contact (with the product):

Skin: on injured skin causes painful irritation. Persistent jets can cause cold burns.

Eyes: redness and tearing. Possible eye injury in case of direct and prolonged jets.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

12.2. Persistence and degradability

N.D.

12.3. Bioaccumulative potential

N.D.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-UN number:	1950
IATA-Un number:	1950
IMDG-Un number:	1950

14.2. UN proper shipping name

ADR-Shipping Name:	FLAMMABLE AEROSOL
ADR-Shipping Name:	FLAMMABLE AEROSOL
IATA-Shipping Name:	FLAMMABLE AEROSOL
IATA-Technical name:	FLAMMABLE AEROSOL
IMDG-Shipping Name:	FLAMMABLE AEROSOL
IMDG-Technical name:	FLAMMABLE AEROSOL

14.3. Transport hazard class(es)

ADR-Class:	2, 5F

ADR-Label: 2.1
IATA-Class: 2.1
IATA-Label: 2.1
IMDG-Class: 2.1
IMDG-Class: 2.1

14.4. Packing group

ADR-Packing Group: LQ2 (max 1 L)

14.5. Environmental hazards

ADR-Enviromental Pollutant: No
Marine pollutant: No

14.6. Special precautions for user

ADR-Tunnel Restriction Code: D
IMDG-EMS: F-D, S-U

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

SECTION 15: Regulatory information

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

This material safety data sheet is compiled in accordance with the laws listed below only for physical hazards, according to the exemption of food from the application of Reg. (EC) n. 1272/2008 (CLP) (Art. 1, paragraph 5) and Reg. (EC) n. 1907/2006 (REACH) (Art. 2, paragraph 6). Food are within the scope of food law.

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)
Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Dir. 2006/8/EC
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 453/2010 (Annex I)
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII.

Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3
Restriction 40

Restrictions related to the substances contained:

Restriction 29

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

N.A.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

R11 Highly flammable.

R12 Extremely flammable.

H280 Contains gas under pressure; may explode if heated.

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.

Safety Data Sheet dated 28/4/2015