BloomchemAG	**MATERIAL SAFETY DATA SHEET** Regulation (EC) No 1907/2006 (REACH) & COMMISSION REGULATION (EU) 2015/830	MSDS No.	M-01
	BENZOIC ACID	Effective From	13/01/2022

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

1.1. Product identifier

Product Name	Benzoic acid
CAS No	65-85-0
EC No	200-618-2
REACH registration number	01-2119455536-33-XXXX

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

Recommended Use	As latex, toothpaste, jam or other food antimicrobial agent, can also be used as a mordant dyeing and printing colors, or used as pharmaceutical and dye intermediates, used for preparing plasticizer, and spices, as well as equipment, iron and steel anti rust agent.
Uses advised against	No information available

1.3. Details of the supplier of the safety data sheet

Only representative	REACH24H CONSULTING GROUP
Supplier	Bloomchemag BV
Address	Sint - Antoniusstraat 16 b1, B-2400 Mol, Belgium
Phone	+91 72919 74484
E-mail	info@bloomchemag.com

1.4. Emergency telephone number

+9172919 74050

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation Category 2 - (H315)
Serious eye damage/eye irritation Category 1 - (H318)
Specific target organ toxicity (repeated exposure) Category 1 - (H372) (lungs) (Inhalation)

2.2. Label elements

Symbols/Pictograms

Signal word Danger

Hazard Statements	H315 - Causes skin irritation. H318 - Causes serious eye damage. H372 - Causes damage to organs (lungs) through prolonged or repeated exposure (Inhalation).
Precautionary Statements	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician. P501 - Dispose of contents/ container to an approved waste disposal plant.
EU Specific Hazard Statements	None.

2.3. Other hazards

Fine dust clouds may form explosive mixtures with air.

SECTION 3: Composition/information on ingredients

3.1 Substance

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzoic acid	200-618-2	65-85-0	98.0 - 100.0	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT RE 1 (H372)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Remove contaminated clothing and shoes. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. In the case of skin irritation or allergic reactions see a physician. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

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

Causes skin irritation. Causes serious eye damage. Causes damage to organs (lungs) through prolonged or repeated exposure (Inhalation).

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media — Dry chemical, CO_2, water spray or alcohol-resistant foam.

Unsuitable extinguishing media — High volume water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors, such as carbon monoxide, carbon dioxide.

5.3. Advice for firefighters

Evacuate personnel to safe areas. Move containers from fire area if you can do it without risk. Cool drums with water spray. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Stay upwind. Ensure adequate ventilation, especially in confined areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8.

6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

See Section 7 for more information
See section 8 for more information
See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Take precautionary measures against static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Keep locked up and out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations.

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Latvia	France	Finland	Germany	Italy
Benzoic acid (CAS #: 65-85-0)	TWA: 5 mg/m³	-	-	-	-

Derived No Effect Level (DNEL)

	Route	Type of effect	DNEL
For the worker	Inhalation	Systemic effects - Long-term	3 mg/m³
	Dermal	Systemic effects - Long-term	62.5 mg/kg bw/day
For the general population	Inhalation	Systemic effects - Long-term	1.5 mg/m³
	Dermal	Systemic effects - Long-term	31.25 mg/kg bw/day
	Oral	Systemic effects - Long-term	16.6 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Compartment	PNEC
Water	Freshwater: 0.34 mg/L
	Marine water: 0.034 mg/L
	Intermittent releases: 0.331 mg/L
Sediment	Freshwater: 1.75 mg/kg sediment dw
	Marine water: 0.175 mg/kg sediment dw
STP	100 mg/L
Soil	0.151 mg/kg soil dw

8.2. Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations. Remove all sources of ignition.

Personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand Protection	Wear protective gloves.
Skin and body protection	Suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid
Color	White or pale yellow
Odor	Rest fragrance
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	122.4 °C
Boiling point / boiling range	249.2 °C
Flash point	121 °C
Evaporation rate	Not determined
Flammability (solid, gas)	Not flammable
Flammability Limit in Air	Not applicable
Vapor Pressure	0.001 hPa (20 °C)
Vapor density	Not applicable
Density	1.27 g/cm³
Relative density	Not determined
Bulk density	Not determined
Specific gravity	Not determined
Water solubility	3.5 g/L (25 °C)
Partition coefficient (LogPow)	1.81 - 1.88
Autoignition temperature	Not applicable
Decomposition temperature	Not determined

Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

9.2. Other information
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Fine dust clouds may form explosive mixtures with air.

10.4. Conditions to avoid
Heat, flames and sparks. Prevent formation of dust clouds. Incompatible materials.

10.5. Incompatible materials
Strong oxidizing materials, reducing agents, bases, moisture, metals.

10.6. Hazardous decomposition products
Carbon monoxide, carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzoic acid (CAS #: 65-85-0)	2250 mg/kg (Rat)	>= 2000 mg/kg (Rabbit)	> 12.2 mg/l/4hr (Rat)

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye damage.

Sensitization
No sensitization responses were observed.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Reproductive toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
Causes damage to organs (lungs) through prolonged or repeated exposure (Inhalation).

Aspiration hazard
No information available.

SECTION 12: Ecological information

12.1. Toxicity

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Benzoic acid (CAS #: 65-85-0)	-	>120: 96 h Oncorhynchus mykiss mg/L LC50	>100: 48 h Daphnia magna mg/L LC50

12.2. Persistence and degradability
7d 94.5% degradation.

12.3. Bioaccumulative potential

Chemical Name	Partition coefficient (LogPow)
Benzoic acid (CAS #: 65-85-0)	1.81 - 1.88

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing group	Not regulated
14.5. Environmental hazards	Non-marine pollutant
14.6. Special precautions for user	No information available
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

SECTION 15: Regulatory information

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

European Union

Component	EINECS/ELINCS	SVHC candidates	RESTRICTIONS - REACH TITLE VIII
Benzoic acid 65-85-0 (98.0 - 100.0)	X	-	-

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Take note of Directive 94/33/EC on the protection of young people at work
Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

Component	TSCA	DSL/NDSL	ENCS	IECSC	KECL	PICCS	AICS
Benzoic acid 65-85-0 (98.0 - 100.0)	X	X	X	X	X	X	X

"-"NotListed
"X"Listed

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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Revision Note Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)
STEL - STEL (Short Term Exposure Limit)
Ceiling - Maximum limit value
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Key literature references and sources for data

ECHA: http://echa.europa.eu/
IFA GESTIS: http://gestis-en.itrust.de/nxt/gateway.dll?f=templates$fn=default.htm$vid=gestiseng:sdbeng
HSDB: http://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm

Full text of H-Statements referred to under section 3

H315 - Causes skin irritation
H318 - Causes serious eye damage
H372 - Causes damage to organs through prolonged or repeated exposure if inhaled

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information an

d belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

-------- End of Safety Data Sheet --------