



SAFETY DATA SHEET

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

1.1. Product identifier

Product identifier: BURNBLOCK MM 50

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

Fire retardant that can be used on fabrics, paper and wood.

Uses advised against: other than the ones listed above.

1.3. Details of the supplier of the safety data sheet

Manufacturer: Innowacyjno-Wdrożeniowa Spółka z o.o. "SOPUR", Regon: 001346500

Address: ul. Jakóba Hechlińskiego 19, 85-825 Bydgoszcz, Poland

Telephone no.: 52 587 23 40; fax: 52 587 23 45

e-mail: office@sopur.com.pl

Person responsible for preparing the safety data sheet: Krzysztof Kosakowski; e-mail: kkosakowski@sopur.com.pl

1.4. Emergency telephone number

52 587 23 85 between: 7:00-15:00.

SECTION 2 Hazards identification

2.1. Classification pursuant to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008

The product is not classified as hazardous according to the Regulation (EC) 1272/2008 as amended and adjusted.

2.2. Label elements

Product identifier:

BURNBLOCK MM 50

Manufacturer: Innowacyjno-Wdrożeniowa Spółka z o.o. "SOPUR", Regon: 001346500

Address: ul. Jakóba Hechlińskiego 19, 85-825 Bydgoszcz, Poland

Telephone no.: /+48 52/ 587 23 40

Pictograms: NONE

Signal words: NONE

Hazards statements: NONE

Precautionary statements: NONE

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Information on harmful substances

Chemical name	Content %	CAS number EC number	REACH registration number	Index number	Substance classification
Citric acid	to 9	77-92-9 201-069-1	01-2119457026-42- XXXX	-	Eye Irrit. 2 H319

Full text of the H phrases listed in section 16.

SECTION 4 First aid measures

4.1. Description of first aid measures

Irritation through inhalation.

Remove person to fresh air and keep comfortable for breathing, place in semi-sitting position, protect from the loss of body heat. If irritation to the respiratory tract occurs, seek medical advice.

If in eyes:

Flush eyes with clear running water for a minimum of 15 minutes. Ensure specialist medical help.

If skin irritation occurs:

Immediately take off all contaminated clothing. Flush contaminated skin with plenty of soap and water.

If swallowed:

Do not induce vomiting. If feeling unwell, seeking medical advice is recommended.

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

NONE

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

NONE



SAFETY DATA SHEET

SECTION 5 Fire-fighting measures

5.1. Extinguishing media

Not classified as flammable, use measures appropriate to the source of the fire.

5.2. Special hazards arising from the substance or mixture

In case of fire do not breathe fumes.

5.3. Advice for fire-fighters

When fighting fire, use breathing apparatus with an independent supply of fresh air.

Prevent contaminated fire-fighting water from entering the soil, ground water or surface water.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

When removing leakage and its consequences, wear protective equipment and clothing. Ensure appropriate ventilation. Do not allow access of unauthorised persons.

6.2. Environmental precautions

Do not allow the product to enter surface or ground waters.

If surface waters become contaminated immediately inform the appropriate local authorities.

6.3. Methods and material for containment and cleaning up

Place the product inside another container, collect the contaminated product and forward for disposal.

6.4. Reference to other sections

Protective equipment and clothing see Section 8.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

To prevent irritations, when working with the product avoid inhalation of the dust and avoid contact with eyes. During work, observe the principles of personal hygiene: do not eat or drink at the workstation, wear protective equipment and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Store the product in original, correctly labelled and tightly sealed containers.

7.3. Specific end use(s)

NONE

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.2. Exposure controls

Limit dust generation to the minimum. Follow the specifications provided on the product label. Personal protection equipment must comply with the valid standards specified below.

Hand protection. Use protective gloves category II (see directive 89/686/CEE and standard EN 374) from PVC, neoprene, nitrile or equivalent. The selection of the material from which protective gloves are made depends on: degradation, wear time and penetration. Recommendations: full contact - neoprene gloves, thickness 0.7 mm, penetration time >480 min. pursuant to EN374, spraying contact - neoprene gloves, thickness 0.13 mm, pursuant to standard EN374.

Eye protection. Wear tightly fitting safety goggles (see standard EN166).

Skin protection. Wear protective clothing with long sleeves and protective footwear for professional use, category II (see directive 89/686/CEE and standard EN ISO 20344:2007). After removing protective clothing wash your entire body with soap and water.

Respiratory protection. Wear a dust-protection mask, class selection (1, 2 or 3) depending on the permissible operating concentration (see standard EN141).

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Solid
Colour:	White
Odour:	Characteristic.
Odour threshold:	Not applicable. *
pH value:	Not applicable. *
Melting point/freezing point:	Not applicable. *
Initial boiling point:	Not applicable. *
Flash point:	Not applicable. *



SAFETY DATA SHEET

Evaporation rate:	Not applicable. *
Flammability:	Not flammable.
Explosion limits (lower - upper):	Not applicable. *
Vapour pressure:	Not applicable. *
Vapour density:	Not applicable. *
Relative density:	Not applicable. *
Solubility in water:	approx. 50%
Partition coefficient: n-octanol/water:	Not applicable. *
Auto-ignition temperature:	Not applicable. *
Decomposition temperature:	Not applicable. *
Explosive properties:	No.
Oxidising properties:	No.
Viscosity:	Not applicable. *

* Does not apply because of the character of the product, and the lack of information supplied on its hazardous properties.

9.2. Other information

None

SECTION 10 Stability and reactivity

10.1. Reactivity

In normal storage conditions the mixture does not react in a hazardous way with other substances.

10.2. Chemical stability

The mixture itself is not reactive.

10.3. Possibility of hazardous reactions

No information provided on the potential of hazardous reactions occurring.

10.4. Conditions to avoid

Store at temperatures up to 40^o C

10.5. Incompatible materials

acids, bases, strong oxidising agents

10.6. Hazardous decomposition products

With correct storage and handling, the substance does not decompose thermally.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

There are no data available on tested properties of the mixture.

In the event of repeated, prolonged exposure to concentrations higher than approved limits for occupational exposure, there may be adverse effects depending on the method of exposure:

A- Swallowing:

The mixture is not classified as hazardous with acute, irreversible or chronic adverse effects.

B- Inhaling:

The mixture is not classified as hazardous with acute, irreversible or chronic adverse effects.

C- Contact with skin and eyes:

Based on available data, classification criteria are not fulfilled.

D- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

E- Sensitizing effect:

The mixture is not classified as hazardous because of its sensitizing effects.

F- Specific target organ toxicity (STOT) for the duration of exposure:

The mixture is not classified as hazardous in this hazard category.

G- Specific target organ toxicity (STOT) repeated exposure:

The mixture is not classified as hazardous in connection with its toxic effect on target organs with repeated exposure.

H- Aspiration hazard:

The mixture is not classified as hazardous in this hazard category.



SAFETY DATA SHEET

11.1 Inhalation effect

Detailed toxicity information about the substances:

Identification	Acute toxicity		Type
	Citric acid CAS: 77-92-9	LD50 oral	5040 mg/kg
	LD50 dermal	>2000 mg/kg	Rabbit
	LC50 inhalation	885 mg/kg	Rat

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Identification	Acute toxicity		Type	Type
	Citric acid CAS: 77-92-9	LC50	440-706 mg/l (96h)	Goldfish
	EC50			
	EC50			

12.2 Persistence – degradability

Identification	Degradability	
	Citric acid CAS: 77-92-9 EC: 205-500-4	BZT5
	ChZT	728 mg O ₂ /g
	BZT5/ChZT	-

12.3 Bioaccumulative potential:

lack of available data

12.4 Mobility in soil:

lack of available data

12.5 Results of PBT and VPVB assessment

The mixture components do not comply with the PBT or VPVP criteria in accordance with Annex XIII.

12.6 Other adverse effects

lack of available data

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Unused or expired products and product which has leaked or fallen out of the packaging must be collected by a waste management company.

13.2 Handling of the product

Unused or expired products must be collected by a waste management company.

13.3 Handling of the packaging

Empty packaging must be collected by a company which collects plastic packaging.

SECTION 14 TRANSPORT INFORMATION

Land transport

ADR:

Not regulated

RID:

Not regulated

Inland navigation transport

ADNR:

Not regulated

Sea transport

IMDG:

Not regulated

Air transport

ICAO/IATA:



SAFETY DATA SHEET

Not regulated

SECTION 15 REGULATORY INFORMATION

15.1 Existing legal provisions

Regulation of 25 February 2011 on chemical substances and mixtures (Journal of Laws No. 63, item 322, with further amendments).

Act of 14 December 2012 on waste (Journal of Laws No. 0, item 21, with further amendments).

Act of 19 August 2011 on transport of dangerous goods
(Journal of Laws 2011, No. 227, item 1367, with further amendments).

Regulation of the Minister of Health of 20 April 2012 on labelling packaging of dangerous substances and dangerous mixtures (item 445, with further amendments).

Regulation of the Minister of Labour and Social Policy of 6 June 2014 on the maximum admissible concentrations and intensities for agents harmful to health in the working environment
(Journal of Laws of 2014, No. 0, item 817).

Regulation of the Minister of Economy of 21 December 2005 on the fundamental requirements for means of personal protection (Journal of Laws of 2005, No. 259, item 2173).

Regulation (EC) No. 1907/2006 of the European Parliament and the Council of 18 December 2006 on registration, evaluation and authorisation of chemicals (REACH) and establishing the European Chemicals Agency, amending directive no. 1999/45/EC and repealing regulation of the Council (EEC) No. 793/93 and regulation of the Commission (EC) No. 1488/94, as well as the Council directive no. 76/769/EEC and Commission directive no. 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with further amendments.

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and replacing directive no. 67/548/EEC and 1999/45/EC and amending Regulation (EC) No. 1907/2006, with further amendments.

15.2 Chemical Safety Assessment

No data regarding any chemical assessments performed for the substances contained in the mixture.

SECTION 16 OTHER INFORMATION

16.1. Explanation of hazard expressions (H)

Eye Irrit. 2 H319 Causes serious eye irritation (Category 2)

16.2. Additional information:

Information provided in this safety data sheet is based on our current knowledge and know-how and the material safety data sheets of the raw materials that make up this product.

Information provided in this safety data sheet is not a guarantee of the product's particular features and may not constitute a basis for a claim.

Information provided in this safety data sheet may not apply to mixtures of the product with other substances.