


SAFETY DATA SHEET

Product: Xanthohumol

1. Identification of the substance/mixture and of the company/undertaking	
1.1 Product identifiers	Xanthohumol
1.2 Relevant identified uses of the substance or mixture and uses advised against	Laboratory chemicals, Manufacture of substances REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline. CAS-No.: 6754-58-1
1.3 Details of the supplier of the safety data sheet	Axen Bio Group Sp. z o.o. ul. Armii Krajowej 116/19 81-824 Sopot Poland Tel: +48585008896 Email: info@axenbio.eu
1.4 Emergency telephone number	Fire brigade Tel. 112
2. Hazards identification	
2.1 Classification of the substance or mixture	<p>Classification according to Regulation (EC) No 1272/2008 Skin sensitisation (Category 1), H317 Acute aquatic toxicity (Category 1), H400 For the full text of the H-Statements mentioned in this Section, see Section 16.</p> <p>Classification according to EU Directives 67/548/EEC or 1999/45/EC Xi, N Irritant, Dangerous for the environment, R43, R50/53 For the full text of the R-phrases mentioned in this Section, see Section 16.</p>
2.2 Label elements	<p>Labelling according Regulation (EC) No 1272/2008</p> <p style="text-align: center;">  </p> <p>Pictogram: Signal word: Warning Hazard statement(s): H317: May cause an allergic skin reaction. H400: Very toxic to aquatic life. Precautionary statement(s): P273: Avoid release to the environment. P280: Wear protective gloves. Supplemental Hazard Statement(s): none</p>
2.3 Other hazards	none
3. Composition/information on ingredients	

3.1 Substances	Formula : C ₂₁ H ₂₂ O ₅ Molecular Weight : 354,40 g/mol CAS-No. : 6754-58-1
Hazardous ingredients according to Regulation (EC) No 1272/2008	Classification: Skin Sens. 1; Aquatic Acute 1; H317, H400
Hazardous ingredients according to Directive 1999/45/EC	Classification: Xi, N, R43 - R50/53
4. First aid measures	
4.1 Description of first aid measures	General advice Consult a physician. Show this safety data sheet to the doctor in attendance. If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact Wash off with soap and plenty of water. Consult a physician. In case of eye contact Flush eyes with water as a precaution. If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
4.2 Most important symptoms and effects, both acute and delay	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.
4.3 Indication of any immediate medical attention and special treatment needed	no data available
5. Firefighting measures	
5.1 Extinguishing media	Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2 Special hazards arising from the substance or mixture	Carbon oxides
5.3 Advice for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary.
5.4 Further information	no data available
6. Accidental release measures	
6.1 Personal precautions, protective equipment	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For

and emergency procedures	personal protection see section 8.
6.2 Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
6.3 Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
6.4 Reference to other sections	For disposal see section 13.
7. Handling and storage	
7.1 Precautions for safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
7.2 Conditions for safe storage, including any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2-8°C.
7.3 Specific end use(s)	A part from the uses mentioned in section 1.2 no other specific uses are stipulated.
8. Exposure controls/personal protection	
8.1 Control parameters	Components with workplace control parameters
8.2 Exposure controls	Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment	Eye/face protection Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator

	<p>cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p>Control of environmental exposure</p> <p>Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.</p>																																								
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9.2 Other safety information	no data available																																								
10. Stability and reactivity																																									
10.1 Reactivity	no data available																																								
10.2 Chemical stability	Stable under recommended storage conditions.																																								
10.3 Possibility of hazardous reactions	no data available																																								
10.4 Conditions to avoid	no data available																																								
10.5 Incompatible materials	Strong oxidizing agents																																								
10.6 Hazardous decomposition products	Other decomposition products - no data available In the event of fire: see section 5																																								
11. Toxicological information																																									
11.1 Information on	Acute toxicity																																								

toxicological effects	<p>no data available</p> <p>Skin corrosion/irritation no data available</p> <p>Serious eye damage/eye irritation no data available</p> <p>Respiratory or skin sensitisation no data available</p> <p>Germ cell mutagenicity no data available</p> <p>Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>Reproductive toxicity no data available</p> <p>Specific target organ toxicity - single exposure no data available</p> <p>Specific target organ toxicity - repeated exposure no data available</p> <p>Aspiration hazard no data available</p> <p>Additional Information RTECS: Not available To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p>
12. Ecological information	
12.1 Toxicity	no data available
12.2 Persistence and degradability	no data available
12.3 Bioaccumulative potential	no data available
12.4 Mobility in soil	no data available
12.5 Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
12.6 Other adverse effects	Very toxic to aquatic life.
13. Disposal considerations	
13.1 Waste treatment methods	<p>Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.</p> <p>Contaminated packaging Dispose of as unused product.</p>
14. Transport information	
14.1 UN number	ADR/RID: 3077 IMDG: 3077 IATA: 3077
14.2 UN proper shipping name	ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Xanthohumol)

