

1. Identification

Product identifier	Rockfon Acoustical Ceiling Tiles and Wall Panels
Other means of identification	
Synonyms	Alaska, Artic, Cinema Black, Contour Baffles, Education Plus, Education Premium, Education Standard, Facett, Hygienic Plus, Impact, Industrial, Island, Koral, Medical Air, Medical Plus, Medical Standard, Multiflex Baffle, Pacific, Sonar, Sonar Activity, Tropic, Winter.
Recommended use	Suspended ceilings for use internally in buildings.
Recommended restrictions	Use in accordance with manufacturer's recommendations.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer/Supplier	Roxul USA Inc., d.b.a. Rockfon 8024 Esquesing Line Milton, Ontario, L9T 6W3 Canada
Telephone:	+1-855-330-6878
Contact:	techservices@rockfon.com
Emergency phone number:	3E Global Incident Response Hotline USA/Canada +1.866.519.4752 Access Code: 337140

2. Hazard identification

Physical hazards	Not classified.
Health hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	None.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Get medical attention/advice if you feel unwell.
Storage	Store as indicated in Section 7.
Disposal	Dispose of in accordance with local, state, and federal regulations.
Supplemental information	None.
Other hazards	As supplied, the product is expected to pose no immediate health or fire hazard. Dusts generated during subsequent processing may pose the hazards described in this Safety Data Sheet.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Stone wool, biosoluble		65997-17-3	50 - 99
Titanium dioxide		13463-67-7	≤ 5
epsilon-Caprolactam		105-60-2	< 2
Adipic acid		124-04-9	≤ 1
Citric acid		77-92-9	≤ 1
Hexamethylenediamine		124-09-4	< 1
Lauro lactam		947-04-6	≤ 1
Talc		14807-96-6	≤ 1

Chemical name	CAS number	%
Butyl acrylate	141-32-2	< 0.1
Styrene	100-42-5	< 0.1

Composition comments All concentrations are in percent by weight.
Components not listed are either non-hazardous or are below reportable limits.

4. First-aid measures

Inhalation	Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.
Skin contact	Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.
Eye contact	Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Under normal conditions of intended use, this product is not expected to be a health risk. Dust may irritate the respiratory system.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved.

5. Fire-fighting measures

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry chemical powder. Carbon dioxide (CO ₂). Sand.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Do not breathe dust. Provide adequate ventilation. Ventilate the area. See Section 8 of the SDS for Personal Protective Equipment.
Methods and materials for containment and cleaning up	Minimise dust generation and accumulation. Wet down with water and dike for later disposal. Shovel the material into waste container. Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see Section 13 of the SDS.
Environmental precautions	Avoid discharge to drains, sewers, and other water systems.

7. Handling and storage

Precautions for safe handling	Use work methods which minimise dust production. Avoid inhalation of dust and contact with skin and eyes. Ensure adequate ventilation. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Please see manufacturer guidelines for safe storage. Keep in original container. The products must be stacked flat on level floor with protective panels or sheets between products and floor. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
Adipic acid (CAS 124-04-9)	TWA	5 mg/m ³	

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
epsilon-Caprolactam (CAS 105-60-2)	TWA	5 mg/m3	Inhalable fraction and vapour.
Hexamethylenediamine (CAS 124-09-4)	TWA	0.5 ppm	
Styrene (CAS 100-42-5)	STEL	20 ppm	
	TWA	10 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	2.5 mg/m3	Respirable finescale particles

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended

Components	Type	Value	Form
Adipic acid (CAS 124-04-9)	TWA	5 mg/m3	
epsilon-Caprolactam (CAS 105-60-2)	TWA	5 mg/m3	
Hexamethylenediamine (CAS 124-09-4)	TWA	2.4 mg/m3	
		0.5 ppm	
Styrene (CAS 100-42-5)	STEL	170 mg/m3	
		40 ppm	
	TWA	85 mg/m3	
Talc (CAS 14807-96-6)	TWA	20 ppm	
		2 mg/m3	Respirable particles.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Adipic acid (CAS 124-04-9)	TWA	5 mg/m3	
epsilon-Caprolactam (CAS 105-60-2)	STEL	3 mg/m3	Dust.
	TWA	1 mg/m3	Dust.
Hexamethylenediamine (CAS 124-09-4)	TWA	0.5 ppm	
Styrene (CAS 100-42-5)	STEL	40 ppm	
	TWA	20 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.
Titanium dioxide (CAS 13463-67-7)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

Components	Type	Value	Form
Adipic acid (CAS 124-04-9)	TWA	5 mg/m3	
epsilon-Caprolactam (CAS 105-60-2)	TWA	5 mg/m3	Inhalable fraction and vapour.
Hexamethylenediamine (CAS 124-09-4)	TWA	0.5 ppm	
Styrene (CAS 100-42-5)	STEL	20 ppm	
	TWA	10 ppm	

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

Components	Type	Value	Form
Talc (CAS 14807-96-6)	TWA	2 mg/m ³	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	2.5 mg/m ³	Respirable finescale particles

Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)

Components	Type	Value	Form
Adipic acid (CAS 124-04-9)	TWA	5 mg/m ³	
epsilon-Caprolactam (CAS 105-60-2)	TWA	5 mg/m ³	Inhalable fraction and vapour.
Hexamethylenediamine (CAS 124-09-4)	TWA	0.5 ppm	
Styrene (CAS 100-42-5)	STEL	40 ppm	
	TWA	20 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m ³	Respirable fibers.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended

Components	Type	Value	Form
Adipic acid (CAS 124-04-9)	TWA	5 mg/m ³	
epsilon-Caprolactam (CAS 105-60-2)	TWA	5 mg/m ³	Inhalable fraction and vapour.
Hexamethylenediamine (CAS 124-09-4)	TWA	0.5 ppm	
Stone wool, biosoluble (CAS 65997-17-3)	TWA	0.5 fibers/cc	Respirable fibers.
		5 mg/m ³	Inhalable fraction.
Styrene (CAS 100-42-5)	STEL	100 ppm	
	TWA	35 ppm	
Talc (CAS 14807-96-6)	TWA	2 fibers/cc	
		2 mg/m ³	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value	Form
Adipic acid (CAS 124-04-9)	TWA	5 mg/m ³	
epsilon-Caprolactam (CAS 105-60-2)	TWA	5 mg/m ³	Inhalable fraction and vapour.
Hexamethylenediamine (CAS 124-09-4)	TWA	2.3 mg/m ³	
		0.5 ppm	
Stone wool, biosoluble (CAS 65997-17-3)	TWA	1 fibers/cm ³	Fiber.
Styrene (CAS 100-42-5)	STEL	75 ppm	
	TWA	50 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m ³	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	Total dust.

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended

Components	Type	Value	Form
Adipic acid (CAS 124-04-9)	15 minute	10 mg/m ³	

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended

Components	Type	Value	Form
	8 hour	5 mg/m ³	
epsilon-Caprolactam (CAS 105-60-2)	15 minute	10 mg/m ³	Inhalable fraction and vapour.
	8 hour	5 mg/m ³	Inhalable fraction and vapour.
Hexamethylenediamine (CAS 124-09-4)	15 minute	1 ppm	
	8 hour	0.5 ppm	
Styrene (CAS 100-42-5)	15 minute	40 ppm	
	8 hour	20 ppm	
Talc (CAS 14807-96-6)	8 hour	2 mg/m ³	
Titanium dioxide (CAS 13463-67-7)	15 minute	20 mg/m ³	
	8 hour	10 mg/m ³	

Biological limit values

ACGIH Biological Exposure Indices (BEI)

Components	Value	Determinant	Specimen	Sampling Time
Styrene (CAS 100-42-5)	150 mg/g	Mandelic acid plus phenylglyoxylic acid	Creatinine in urine	*
	40 ug/l	Styrene	Urine	*

* - For sampling details, please see the source document.

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL (occupational exposure limit), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection

Contact with dust: Wear approved safety goggles.

Skin protection

Hand protection

Contact with dust: Wear protective gloves.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Wear respirator with dust filter. Selection and use of respiratory protective equipment should be in accordance with CSA Standard Z94.4.

Thermal hazards

None.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Physical state

Solid.

Form

Solid.

Colour

Various colours.

Odour

Low to no odour.

Odour threshold

Not applicable.

Melting point/freezing point

> 1000 °C (> 1832 °F)

Boiling point or initial boiling point and boiling range

Property has not been measured.

Flammability

Non flammable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not applicable, material is a solid.

Explosive limit – upper (%) Not applicable, material is a solid.

Flash point Not applicable, material is a solid.

Auto-ignition temperature Not applicable, material is a solid.

Decomposition temperature Property has not been measured.

pH Material is non soluble in water.

Kinematic viscosity Not applicable, material is a solid.

Solubility

Solubility (water) Insoluble in water.

Partition coefficient (n-octanol/water) (log value) Not applicable, product is a mixture.

Vapour pressure Property has not been measured.

Density and/or relative density

Density 70 - 165 kg/m³

Relative density Property has not been measured.

Vapour density Not applicable, material is a solid.

Particle characteristics Property has not been measured.

Other information

Evaporation rate Not applicable, material is a solid.

Viscosity Not applicable, material is a solid.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong acids.

Hazardous decomposition products Fumes. Carbon oxides. When stone wool is heated above approximately 200°C (392°F), binder components and decomposition gases are emitted from the binder which can be detected by odour.

11. Toxicological information

Information on likely routes of exposure

Inhalation Dust may irritate respiratory system.

Skin contact Dust or powder may irritate the skin.

Eye contact Dust may irritate the eyes.

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics Under normal conditions of intended use, this material does not pose a risk to health. Dusts may irritate the respiratory tract.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Components	Species	Test Results
epsilon-Caprolactam (CAS 105-60-2)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg
Oral		
LD50	Rat	1475 mg/kg

Components	Species	Test Results
Lauro lactam (CAS 947-04-6)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg
Oral		
LD50	Rat	2330 mg/kg (OECD 401)
Talc (CAS 14807-96-6)		
Acute		
Dermal		
LD50	Rat	20000 mg/kg
Inhalation		
LC50	Rat	2.1 mg/l, 4 hours
Oral		
LD50	Rat	3870 - 5000 mg/kg
Titanium dioxide (CAS 13463-67-7)		
Acute		
Inhalation		
LC50	Rat	> 6.82 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Respiratory or skin sensitisation		
Canada - Alberta OELs: Irritant		
Hexamethylenediamine (CAS 124-09-4)	Irritant	
Talc (CAS 14807-96-6)	Irritant	
Titanium dioxide (CAS 13463-67-7)	Irritant	
Respiratory sensitisation	Not a respiratory sensitiser.	
Skin sensitisation	This product is not expected to cause skin sensitisation.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Due to the form of the product, exposure to the potentially carcinogenic components is not expected.	
ACGIH Carcinogens		
epsilon-Caprolactam (CAS 105-60-2)	A5 Not suspected as a human carcinogen.	
Stone wool, biosoluble (CAS 65997-17-3)	A4 Not classifiable as a human carcinogen.	
Styrene (CAS 100-42-5)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Talc (CAS 14807-96-6)	A4 Not classifiable as a human carcinogen.	
Titanium dioxide (CAS 13463-67-7)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Canada - Manitoba OELs: carcinogenicity		
epsilon-Caprolactam (CAS 105-60-2)	Not suspected as a human carcinogen.	
Styrene (CAS 100-42-5)	Confirmed animal carcinogen with unknown relevance to humans.	
Talc (CAS 14807-96-6)	Not classifiable as a human carcinogen.	
Titanium dioxide (CAS 13463-67-7)	Confirmed animal carcinogen with unknown relevance to humans.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
epsilon-Caprolactam (CAS 105-60-2)	3 Not classifiable as to carcinogenicity to humans.	
Stone wool, biosoluble (CAS 65997-17-3)	3 Not classifiable as to carcinogenicity to humans.	
Styrene (CAS 100-42-5)	2A Probably carcinogenic to humans.	
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens		
Styrene (CAS 100-42-5)	Reasonably Anticipated to be a Human Carcinogen.	

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	No other specific acute or chronic health impact noted.

12. Ecological information

Ecotoxicity Not relevant, due to the form of the product.

Components	Species	Test Results	
epsilon-Caprolactam (CAS 105-60-2)			
Fish	LC50	Salmo gairdneri	707.1 mg/l, 96 hours
Aquatic			
Algae	EC50	Selenastrum capricornutum	> 1000 mg/l, 72 hours
Crustacea	EC50	Daphnia magna	> 1000 mg/l, 48 hours
Fish	LC0	Oryzias latipes	100 mg/l, 96 hours
Other			
Bacteria	EC50	Pseudomonas putida	4240 mg/l, 17 hours
Hexamethylenediamine (CAS 124-09-4)			
Aquatic			
Algae	NOEC	Pseudokirchneriella subcapitata	10 mg/l, 72 Hours
Crustacea	EC50	Daphnia magna	50 mg/l, 48 Hours
	NOEC	Daphnia	4.2 mg/l, 21 days
Fish	LC50	Pimephales promelas	1825 mg/l, 96 Hours pH adjusted
Laurolactam (CAS 947-04-6)			
Aquatic			
<i>Acute</i>			
Algae	ErC50	Desmodesmus subspicatus	172 mg/l, 72 hours (OECD 201)
Crustacea	EC50	Daphnia magna	59 mg/l, 48 hours (OECD 202)
Fish	LC50	Cyprinus carpio	63 mg/l, 96 hours (OECD 203)
Talc (CAS 14807-96-6)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	7203 mg/l, 96 hours
Crustacea	LC50	Aquatic invertebrates	36812 mg/l, 48 hours
Fish	LC50	Fish	> 895810 - < 1100000 mg/l, 96 hours
Titanium dioxide (CAS 13463-67-7)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Pseudokirchneriella subcapitata	> 100 mg/l, 72 Hours
Crustacea	EC50	Daphnia magna	> 100 mg/l, 48 hours
Fish	LC50	Oncorhynchus mykiss	> 100 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Adipic acid (CAS 124-04-9)	0.08
Laurolactam (CAS 947-04-6)	2.71
Styrene (CAS 100-42-5)	2.95
epsilon-Caprolactam (CAS 105-60-2)	0.12

Mobility in soil The product is insoluble in water.

Other adverse effects None known.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

TDG
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

Canadian regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date 20-November-2024

Revision date -

Version No. 01

Disclaimer Roxul USA Inc., d.b.a. Rockfon cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.