

SENTIO RENEWABLE SURFACES

Date 15.07.2024

This SDS adheres to the standards and regulatory requirements of Australia and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Sentio Renewable Surfaces
 Use of the : Sheets used as benchtops.
 Substance/Mixture
 Company : CASF International Pty Ltd
 Unit 4, 208 Walters Road
 Arndell Park NSW 2148

Telephone : 1300 366 113
 Emergency telephone : 0408 458 880
 number

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	Usual Name	CAS No.	Concentration range (%)
MethylMetacrylate	MMA	26123-45-5	35 – 45 %
Aluminium Trihydrate	ATH	21645-51-2	55 – 65 %
Pigment	Pigment	-	< 1%
Additives	Additives	-	< 1%

3. HAZARDS IDENTIFICATION

Hazardous classification

Not classified as dangerous goods according to the ADG Code.
 Not classified as hazardous according to criteria of NOHSC.

Specific hazards

The product as such is not hazardous.
 The hazards of this product are associated mainly with its processing.
 Operations such as sawing, routing, drilling and sanding can generate dust.
 May form combustible dust concentrations in air (during processing).
 High concentrations of dust can irritate eyes, nose and respiratory system and cause coughing and sneezing.
 Solid Surface material does not emit gas at room temperature. At higher temperatures, small amounts of methyl methacrylate or styrene can be released. The amounts are dependent upon temperature, time and other variables.

4. FIRST AID MEASURES

Inhalation : If large amounts of dust are inhaled, or if exposed to fumes from overheating or combustion, move to fresh air.

Skin contact : No hazards which require special first aid measures.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion : No hazards which require special first aid measures.

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5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray, Dry chemical, Carbon dioxide (CO₂), Foam
- Specific hazards during firefighting : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- Hazardous combustion products Carbon monoxide Carbon dioxide (CO₂)
Methyl methacrylate monomer Aldehydes
Styrene

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : No special precautions required.
- Environmental precautions : No special environmental precautions required.
- Methods for cleaning up : Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Non-sparking tools should be used.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Do not breathe dust. Do not breathe vapours or fumes that may be evolved during processing. Wash hands before breaks and at the end of workday. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Storage

- Requirements for storage areas and containers : No special storage conditions required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Chemical Name	Occupational Exposure Limits	Regulation

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Dust (inhalable and respirable fraction)	TWA	10 mg/m ³ (Inhalable particles.)	US. ACGIH Threshold Limit Values (2009)
	TWA	3 mg/m ³ (Respirable particles.)	US. ACGIH Threshold Limit Values (2009)
Methyl methacrylate	TWA	50 ppm, 208 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	STEL	100 ppm, 416 mg/m ³ (SKIN)	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	TWA	50 ppm	US. ACGIH Threshold Limit Values (01 2010)
	STEL	100 ppm	US. ACGIH Threshold Limit Values (01 2010)
Styrene	TWA	20 ppm	US. ACGIH Threshold Limit Values (2009)
	STEL	40 ppm	US. ACGIH Threshold Limit Values (2009)
	TWA	50 ppm, 213 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	STEL	100 ppm, 426 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

Engineering measures

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required. A Class P2 dust mask that conforms to AS/NZS 1716 – “Respiratory Protective Devices” is recommended when the dust concentration is more than 10 mg/m³.
- Hand protection : Wear leather or cotton gloves when grinding, sawing, routing, drilling or sanding
- Eye protection : Safety glasses

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid
Colour : various
Odour : odourless
Flash point : not applicable
Water solubility : insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid : None reasonably foreseeable. Stable under normal conditions.
Hazardous decomposition products : Methyl methacrylate monomer
Styrene

11. TOXICOLOGICAL INFORMATION

Further information : This product has no known adverse effect on human health.

12. ECOLOGICAL INFORMATION**Further information on ecology**

Additional ecological information : This product has no known eco-toxicological effects.

13. DISPOSAL CONSIDERATIONS

Product : Can be landfilled or incinerated, when in compliance with local regulations.

14. TRANSPORT INFORMATION

Further information : Not classified as dangerous goods according to the ADG Code.

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15. REGULATORY INFORMATION

Further information : Not classified as hazardous according to criteria of NOHSC.

National regulatory information

SUSMP : No poison schedule number allocated.

16. OTHER INFORMATION**Sources of key data used to compile the Safety Data Sheet:**

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Code for the Transport of Dangerous Goods by Road & Rail No. 7 [National Transport Commission]
6. Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

Department:

CASF International Pty Ltd

Unit 3, 208 Walters Road
Arndell Park NSW 2148

Further information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.