

Thermoplastic ABS Edging / Safety Data Sheet

IMPORTANT NOTICE

Porta Products Pty. Ltd. issues this Safety Data Sheet (SDS), in accordance with Safe Work Australia guidelines. As such the information contained herein must not be altered, deleted or added to. Porta Products Pty. Ltd. will issue a new SDS when there is a change in product specifications and/or Safe Work Australia guidelines/restrictions. Porta Products Pty. Ltd. will not accept any responsibility for any changes made to its SDS in content by any other person or organisation.

1 IDENTIFICATION

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Product Name Thermoplastic ABS Edging.

Use Decorative edging of furniture.

2 HAZARD IDENTIFICATION

Not classified as hazardous according to ASCC Criteria.

Dust from the dry product is classified as a hazardous substance according to the criteria of Safe Work Australia.

UN Number None Allocated.

Hazchem Code None Allocated.

Packing Group None Allocated.

Dangerous Goods Class None Allocated.

Poisons Schedule Number None Allocated.

3 COMPOSITION AND INFORMATION OF INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Acrylonitrile Butadiene Sturene	9003-56-9	> 70 %
Calcium Carbonate	72608-12-9	< 20 %
Titanium Dioxide	13463-67-7	< 10 %
Processing aids	n/a	< 10 %

Note: These chemicals are mixed and bound in plastic are not released except under extreme circumstances such as fire.

4 FIRST-AID MEASURES

Ingestion Unlikely to occur. Give water to drink. If abdominal discomfort occurs, seek medical attention.

Inhalation If inhaled, remove from the contaminated area. Apply artificial respiration if not breathing.

Eye Contact Flush with flowing water for at least 15 minutes, and if symptoms persist, seek medical attention.

Skin Contact Wash with mild soap and running water. Remove clothing contaminated with dust.

Advice to Doctor Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Flammability ABS edging do not auto ignite in its intact state and will not continue to burn after ignition without an external fire source. Avoid sources of radiant heat and flame; and avoid sparks and sources of ignition in all electrical equipment, including dust extraction equipment. People must not smoke in storage or work areas.

Fire & Explosion Burning or smouldering ABS Edging or dust can generate carbon dioxide and other pyrolysis products typical of burning organic material which are irritating to the respiratory tract. Dry dusts in high concentrations can be explosive.

Extinguishing Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire . Use water, CO₂, foam or dry chemical fire extinguishers and avoid breathing smoke from burning or smouldering material. Prevent contamination of drains or waterways.

6 ACCIDENTAL RELEASE MEASURES

Spills and Disposal Off-cuts, general waste material and protective plastic film should be placed in containers and disposed of at approved landfill sites, or burnt in an approved furnace or incinerator, in accordance with disposal authority guidelines.

DO NOT BURN in barbeques, combustion stoves or any open fires in home as irritating gases are emitted.

Dust from the boards should be cleaned up by vacuuming or wet sweeping.

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7 HANDLING AND STORAGE

Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Storage These products should be stored in well-ventilated areas away from sources of heat, flame or sparks. No special transport requirements are considered necessary.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standard There is no limit of exposure. Generally, anti-fire equipment is necessary in the workplace, without special protection.

Engineering Controls All work with ABS Decorative Edging should be carried out in such a way as to minimise the generation of, and exposure to vapours and fragments. Under factory conditions processing should be done in well ventilated areas. They should be cleaned at least daily and dust removed by vacuum cleaning or wet sweeping method. It is recommended that all work and storage areas are smoke free and other airborne contaminants be kept to a minimum.

PERSONAL PROTECTION

Skin Protection Wear loose, comfortable clothing. Long-sleeved shirts and trousers are recommended to prevent skin irritation. After handling boards, wash with mild soap and water. Do not scratch or rub the skin if it becomes irritated. Wash work clothes regularly and separately from other clothes. Comfortable lightweight leather or equivalent work gloves (AS 2161) should be worn.

Eye Protection Dust resistant safety glasses or non-fogging goggles (AS/NZS 1336/1337) should be worn when machining.

Respiratory Protection A class P1 or P2 replaceable filter or disposable half face-piece particulates respirator should be worn when machining. Respirators should comply with AS/NZS 1716 and be selected, used and maintained in accordance with AS/NZS 1715.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Thermoplastic ABS Edging is a mixture of resin, stabilisers, processing aids, modifiers, pigments and other residual solvents and ranging in thickness from 0.4mm to 2mm with decorative surfaces of plain, wood grain or embossed grain with gloss, matt or texture finish.
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Odour	Newly manufactured rolls may have a slight characteristic odour.
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Boiling Point (°C)	Not Applicable.
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Vapour Pressure (MPa)	Not Applicable.
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Flash Point (°C)	Not Applicable.
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Solubility in Water	Negligible.
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Softening Point (°C)	85
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Specific Gravity (water=1)	1.3 – 1.5
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Flammability Limits	Not Applicable.
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Autoignition Temperature (°C)	Does not auto ignite in its intact state.
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EARLY FIRE HAZARD INDICES TO AS 1530.3

Ignitability Index	12 – 14
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Spread of flame index	5 – 7
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Heat evolved index	4 – 6
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Smoke developed index	3 – 5
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10 STABILITY AND REACTIVITY

Chemical Stability Stable under recommended conditions of storage.

Conditions to Avoid Avoid heat, sparks, open flames and other ignition sources.

Material to Avoid Incompatible with oxidising agents (e.g. nitrates) and acids (e.g. hydrochloric acid).

Hazardous Decomposition Products May evolve toxic gases (carbon/nitrogen oxides, ammonia, formaldehyde, decomposition products hydrocarbons) when heated to decomposition. May also evolve hydrogen cyanide carbon monoxide, carbon dioxide, nitric oxide, nitrogen dioxide when heated to decomposition.

Hazardous Reactions Polymerization is not expected to occur.

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11 TOXICOLOGICAL INFORMATION

HEALTH HAZARD INFORMATION

The additives used in the ABS resins are not considered to present a significant health risk when the material is post processed in a controlled manner. Processing in a manner, which results in accumulation of organic vapours and fumes are to be avoided by the good manufacturing practice of ventilation procedures that keep the workplace exposure to a minimum.

HEALTH EFFECTS

Acute

Ingestion Unlikely to occur but swallowing the dust may result in abdominal discomfort.

Inhalation Vapours and fumes from processing at elevated temperatures may cause irritation of nose, throat and lungs, especially in people with upper respiratory tract or chest complaints such as asthma.

Eye Contact Crushed fragments may be irritating to the eyes resulting in discomfort and redness.

Skin Contact No harm with normal handling.

Chronic

Additives used are well encapsulated components of the product and are not believed to constitute an exposure hazard if the work practices noted in this SDS are followed and exposure to airborne fragments and vapours are kept to a minimum, no chronic health effects are anticipated.

12 ECOLOGICAL INFORMATION

Environment Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Reuse where possible. Not regulated as a hazardous waste by Australian environmental authorities. Off-cuts and general waste material should be placed in containers and disposed of at approved landfill sites or burnt in an approved furnace or incinerator in accordance with disposal authority guidelines. Do not burn in barbeques, combustion stoves or open fires in the home as irritating gases may be evolved.

Legislation Dispose of in accordance with relevant local legislation.

14 TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE.

No special transport requirements are considered necessary.

15 REGULATORY INFORMATION

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16 OTHER INFORMATION

Respirators In general, the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn, ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

Combustible - Explosive Carbonaceous Dust Carbonaceous/organic dusts have the potential, with dispersion, to present an explosion hazard if an ignition source exists. All equipment used to handle, transfer or store this product MUST BE cleaned thoroughly prior to cutting, welding, drilling or exposure to any other form of heat or ignition sources. If bulk stored, containers should be ventilated on a routine basis to avoid vapour accumulation (where applicable, e.g. for flocculants).

Health Effects from Exposure It should be noted that the effects from exposure to this product would depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that, it is impractical to prepare a Chem Alert report, which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Personal Protective Equipment Guidelines The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

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ABBREVIATIONS

ABS Acrylonitrile Butadiene Styrene.

CAS No. Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS Central Nervous System.

IARC International Agency for Research on Cancer.

mg/m³ Milligrams per cubic metre.

ppm Parts Per Million.

CONTACT

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