SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

1.1 Product Identifier
RubbaFIX® Pty Ltd

1.2 Identified uses of the substance and uses advised against
Hot Melt Adhesive

1.3 Details of the supplier of the product

Manufacturer:
RubbaFIX® Pty Ltd
Unit 7, 6 Gladstone Road
Castle Hill, NSW 2154, Australia
Tel: +61 2 8853 3000 Fax: +61 2 9634 7145
(9am-5pm, Mon-Fri)
Email: info@rubbafix.com.au

Supplier:

1.4 Emergency Telephone Number
13 11 26 (24hrs, 7 days a week)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product is not classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments). The product therefore does not require a safety data sheet according to Regulation (EC) No. 1907/2006, as amended.

Further information on the risks to health and / or environmental hazards can be found in sections 11 and 12 of this sheet, which can be construed as a Security Profile.

2.1.1 Regulation 1272/2008 (CLP) and subsequent amendments.
Directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

The preparation is not classified as hazardous according to Regulation 1272/2008 (CLP) and under Directive 1999/45/EC as amended and adapted.

2.2 Label elements
Danger labelling under Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

The product is not subject to labelling according to EC regulations or the respective national laws.

2.3 Other hazards
Contact with hot material may result in thermal burns.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Non-hazardous components	Identification	Classification 67/548/EEC	Classification 1272/2008 (CLP)	Content

Polyamide Resin	Proprietary	Not classified	Not classified	>90%
Carbon Black	CAS: 1333-86-4 EC: 215-609-9	Not classified	Not classified	<2%
Polyethylene Copolymer	CAS: 9002-88-4	Not classified	Not classified	<2%

3.1 Ingredient notes
The carbon black and resin in this product are bound in the polymer matrix and are not free airborne powders.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: If inhaled remove from contaminated area, seek medical advice if symptoms develop.
Eye contact: Immediately flush continuously with running water for at least 15 minutes, seek medical attention.
Skin contact: Wash skin immediately with soap and water. If contact with hot material occurs drench area immediately with cold water, do not attempt to remove material adhered to the skin. Seek immediate medical attention.
Ingestion: For advice contact Poisons Information Centre or a medical practitioner. If swallowed do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed
Contact with molten material may result in thermal burns. See chapter 11.

4.3 Immediate medical treatment and special treatment
Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: Conventional: chemicals anhydrous, carbon dioxide, foam, powder and nebulised water.
Non suitable extinguishing media: Avoid water jets

5.2 Special hazards arising from the substance or mixture
Hazards caused by exposure in case of fire:
Avoid breathing, supports combustion to liberate carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

5.3 Advice for fire fighters
Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Cool exposed containers with water. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
Normal clothing to fight the fire, such as a compressed air breathing apparatus open circuit (EN 137), complete with flame retardant (EN469), flame-resistant gloves (EN 659) and boots for the fire brigade (HO A29 or A30).

5.4 HAZCHEM code
None allocated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Stop leak if safe to do so. Avoid inhalation of fumes from molten product. Avoid contact with hot material. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of this SDS. These directions are valid both for the workers to work which for emergency interventions.

6.2 Environmental precautions
Avoid dispersal of spilled material and prevent further leakage if safe to do so. Prevent spillage from entering drains, surface water and ground water.

6.3 Methods for containment and clean up
Sweep up and transfer recoverable material into a designated and labelled container.

6.4 Reference sections
See section 8 and 13 for exposure controls and disposal

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Handle the product after consultation with all other sections of this SDS. Avoid dispersal into the environment. Do not eat, drink or smoke while handling product. Remove contaminated clothing and protective equipment before entering areas of food consumption or preparation. Avoid generation of dust. Use safe work practices as recommended to avoid eye or skin contact and inhalation. Avoid contact with hot material. Avoid breathing vapour from heated material.

7.2 Conditions for safe storage including any incompatibilities
Store in original container. Store closed containers in well-ventilated, cool place, away from heat away, from direct sunlight, open flames and sparks. Store containers away from any incompatible materials, checking section 10. Keep containers closed after use to protect from physical damage. Ensure containers are adequately labelled, protected from physical damage and labelled when not in use. Keep containers closed when not in use.

7.3 Specific end uses
Information not available

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Exposure Standards

Ingredient	CAS no.
Carbon Black	1333-86-4

Country	Limit value – Eight Hours		Limit value – Short term*	
	ppm	mg/m^3	ppm	mg/m^3
Australia	3			
Italy	3			
France	3.5			
USA – OSHA	3.5			
UK	3.5		7	

8.2 Exposure controls

8.2.1 Engineering controls
As the use of adequate technical equipment must always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration. For the selection of personal protective equipment, if necessary, request advice from your chemical substance suppliers. The personal protective equipment must contain EC certifying their compliance with applicable regulations.

8.2.2 Individual protection measures

Eye/Face	Safety eyewear and face shield complying with an approved standard should be used where a risk assessment indicates that this is necessary to avoid exposure to molten liquid splashes.
Hands	Use protective gloves for processing hot materials. Protect your hands with work gloves type category III (EN 374). For the choice of work gloves the material and its suitability must be considered: compatibility, degradation, breakage times and permeation. In the case of preparations, the resistance of protective gloves to chemicals should be checked before use. The gloves limit depends on duration of use and exposure.
Body	Use work clothes with long sleeves and safety footwear for professional use category II (ref. Directive 89/686/EEC and standard EN ISO 20344): Use protective clothing in any case selected according to risk assessment in environment.
Respiratory	Use a properly fitted air-purifying respirator complying with an approved standard if a risk assessment indicates this is necessary.

8.2.3 Environmental exposure controls
Refer to sections 6 and 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid	**Vapour pressure**	<0.001mm Hg at 20 °C
Odour	Mild amine	**Specific gravity**	0.97 at 25 °C
Flammability	Not combustible	**Solubility (water)**	Insoluble
Flash point	271.0 °C	**Vapour pressure**	Not available
Boiling point	Not available	**Upper explosive limit**	Not available
Melting point	145°C - 165°C	**Lower explosive limit**	Not available
Evaporation rate	0 n-BuAc=1 est.	**pH**	Not available
Auto-ignition temperature	Not available	**Decomposition temperature**	>300°C
Viscosity	4500 cP Brookfield at 190 °C		

9.2 Other information
None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Stability
There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability
The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions
Under normal use and storage conditions hazardous polymerisation not expected to occur.

10.4 Conditions to avoid
None in particular. Keep containers tightly closed. Containers should be kept dry.

10.5 Incompatible materials
Incompatible with oxidising agents.

10.6 Hazardous decomposition products
Upon decomposition product may emit dense smoke, carbon oxides and other products of combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Due to the form of the product, adverse health effects are not expected with normal use of the product itself.

Health hazard summary
Due to product form adverse health effects are not anticipated with normal use. Contact with molten material may cause thermal burns.

Eye Fumes release during thermal processing may result in eye irritation. Contact with dust may result in mechanical irritation.

Inhalation Over exposure may result in irritation of the nose, mouth and throat. Decomposition products may be toxic and should not be inhaled.

Skin Contact with molten material may cause thermal burns.

Ingestion Low toxicity, Ingestion may result in irritation to the gastrointestinal system.

Toxicity data

Substance	Test	Result
Polymers	LD50 dermal, rabbit	>6000 mg/kg
Polymers	LD50 oral, rat	>20000 mg/kg

**Data provided is for similar product*

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data has not been determined specifically for this product. Any information given below is based on knowledge of components and the ecotoxicology of similar substances.

12.1 Toxicity
Information not available.

12.2 Persistence and degradability
Resin: Not readily degradable.

12.3 Bioaccumulative potential
Information not available.

12.4 Mobility in soil
Information not available.

12.5 Other adverse effects
Information not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Reuse when possible. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Under no circumstances allow to enter soil, sewers or ground water. Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: TRANSPORT INFORMATION

The product is not dangerous under current provisions governing the transport of dangerous goods by road (A.D.R.) by rail (RID), by sea (IMDG Code) and by air (IATA).

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Substances in Candidate List (Art. 59 REACH).
None.

Substances subject to authorisation (Annex XIV REACH).
None.

Substances subject to the obligation of export notification Reg. (EC) 649/2012:
None.

Substances subject to the Rotterdam Convention:
None.

Substances subject to the Stockholm Convention:
None.

Inventory listings(s)

AUSTRALIA: AICS (Australian Inventory of Chemical Substances)
All components are listed on ACIS or are exempt.

EUROPE: EINECS (European Inventory of Existing Commercial Chemical Substances)
All components are listed on EINECS or are exempt**.**

CANADA: DSL (Domestic Substance List)
All components are listed on DSL or are exempt.

UNITED STATES: TSCA (Toxic Substances Control Act)
All components are listed on TSCA or are exempt.

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard – No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
Yes

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

NFPA ratings

U.S state regulations
U.S. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.
U.S. Massachusetts RTK - Substance List
Not regulated.
U.S. New Jersey Worker and Community Right-to-Know Act
Not listed.
U.S. Pennsylvania Worker and Community Right-to-Know Law
Not listed.
U.S. Rhode Island RTK
Not regulated.

SECTION 16: OTHER INFORMATION

Abbreviations

CAS#	Chemical Abstract Service number – used to uniquely identify chemical components
EC #	EC No – European Community Number
SWA	Safe Work Australia
IARC	International Agency for Research on Cancer
ppm	Parts per Million
mg/m^3	Milligrams per Cubic Metre
TWA	Time Weighted Average
STEL	Short Term Exposure Limit
LD50	Lethal Dose, 50% / Median Lethal Dose
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons

Revision History

Revision	Description
1.0	Initial Creation of SDS
2.0	Additional PPE requirements, description of non-hazardous components

Further Information

This above information is based solely on data provided by suppliers of the materials used, not on the mixture itself. The information is believed to be correct at time of writing, but does not purport to be all inclusive and shall be used as guide only. This document summarises our current state of knowledge of the hazards associated with the product and how to safely handle and use the product within the workplace. It does not represent any guarantee of the properties of the product. The manufacturer disclaims any liability incurred from the use or reliance upon this information and it is anticipated that users will assess the risks and apply control methods where appropriate.