



Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

1.1. Product Identifier

Name: RUBBAFIX® White

1.2. Identified uses of the substance and uses advised against

Description/Use Hot Melt Adhesive

1.3. Details of the supplier of the product

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1.4 Emergency Telephone Number

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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 that complies with the provisions of Regulation (EC) No. 1907/2006, and subsequent amendments.

Further information on the risks to health and/or environmental hazards can be found in sections. 11:12 of this form, 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 subsequent amendments and adjustments.

The preparation is not classified as hazardous according to Regulation 1272/2008 (CLP) and according to 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 OF INGREDIENTS

3.1. Substances.

The product is a mixture

3.2. Mixture.

Contains:

Identification	Conc. %.	Classification 67/548/CEE.	Classification 1272/2008 (CLP).
Polyamide Resin	>90	Not classified	Not classified
CAS. n reserved			
CE. n reserved			
Titanium dioxide	0-10%	Not classified	Not classified
CAS. n 13465-67-7			
CE. n 263-675-5			

Note: The carbon black and the resin in this product are bound in the polymer matrix and are not free powders dispersed in the air.

SECTION 4: FIRST AID AND MEASURES

4.1. Description of first aid measures.

EYES: Remove contact lenses. Wash immediately with plenty of water for at least 15 minutes, with open eyelids. Call a doctor immediately. **SKIN:** Take off contaminated clothing and immediately take a shower with soap and water. If there is contact with hot material, wash with cold water and do not try to remove if the product is bonded on the skin. Consult a doctor immediately. **Ingestion:** Consult a physician immediately. Do not induce vomiting unless expressly authorized by the physician. **Inhalation:** Call a physician immediately. Bring to fresh air, away from the accident site. If breathing has stopped, administer artificial respiration. Take adequate precautions for the rescuer.

4.2. Most important symptoms and effects, both acute and delayed.

Contact with molten material may cause burns. For symptoms and effects caused by the contained substances see section 11.

4.3. Immediate medical treatment and special treatment.

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA Conventional fire extinguishing equipment such as: chemicals anhydrous, carbon dioxide, foam, powder and water spray.

EXTINGUISHING MEDIA NOT SUITABLE Avoid water jets.



5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN CASE OF FIRE Avoid breathing the combusted product. Product combustion may liberate carbon monoxide, carbon dioxide, low molecular weight hydrocarbons

5.3. Advice for fire fighters

GENERAL INFORMATION

Cool down the containers with water jets to prevent product decomposition and possible development of substances potentially hazardous to health. Wear fire equipment (SCBA). Collect extinguishing water to prevent sewer drainage. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

EQUIPMENT

Standard fire protection gear, such as open circuit compressed air breathing apparatus (EN 137) complete with flame retardant (EN469), flame-resistant gloves (EN 659) and boots (HO A29 or A30).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Stop any leakage if it is safe to do so. Avoid inhalation of fumes in case of fire. Avoid contact with heated material. Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These directions are valid for emergency personnel as well.

6.2 Environmental precautions

Avoid dispersal of spilled material and prevent further leakage if safe to do so. Prevent spillage from entering drains and waterways.

6.3. Methods for containment and clean up

Vacuum the spilled material in an appropriate container. Assess the compatibility of the container to be used for vacuuming the product as per section 10. Absorb with inert absorbent material. Ensure adequate ventilation of the space affected by the spill. The disposal of contaminated material must be made through a special container (see item 13).

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 reading all the sections of this SDS. Avoid dispersal into the environment. Do not eat, drink or smoke while handling it. Remove contaminated clothing and protective equipment before entering areas where you eat. Avoid dust formation. Avoid contact with the material while heated, use the safety precautions at work avoiding contact with eyes, skin and inhalation of the product.

7.2. Conditions for safe storage including any incompatibilities

Store only in the original container. Store closed containers in well-ventilated, cool space, away from heat and from direct sunlight, open flames and sparks. Store containers away from any incompatible materials, as per section 10. Keep containers closed after use to protect from physical damage.



7.3. Specific end uses

Information not available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure Standards

Substance	Titanium dioxide
CAS No.	13463-67-7

	Threshold value - Eight hours		Threshold value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Italy		10		
Australia		10		
France		10		
USA - OSHA		10		
UK		10		7

8.2. Controls on exposures.

With the use of any technical equipment personal protection is the first priority. Ensure that the workplace is well ventilated. For the selection of personal protective equipment, if necessary, request advice from your chemical substance suppliers. The personal protective equipment must bear the CE marking attesting to their compliance with applicable regulations.

Provide emergency shower facilities.

HAND PROTECTION Use protective gloves for processing hot materials. Protect your hands with work gloves type category III (EN 374). To select the appropriate work gloves you must consider: compatibility, degradation, breakage times and permeation. When preparing the resistance of protective gloves to chemicals should be checked before use. The Gloves' limit depends on the duration and use.

SKIN PROTECTION It is recommended to 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 work environment. Wash with soap and water after removing protective clothing.

EYE PROTECTION Protective airtight goggles (ref. Standard EN 166) against chemical and mechanical risks (against splashes of hot material) are required when using the product.

RESPIRATORY PROTECTION If the risk assessment makes it necessary and, if necessary In case of exceeding the threshold value (eg. TLVTWA) of the substance or one or more of the substances present in the product, it is advisable to wear a mask with filter type A class 1, 2 or 3 will have to be chosen according to the limit concentration of use. (Ref. Standard EN 14387). In the case were gas is present or any different nature of vapors and / or gases or vapors with particles (aerosols, fumes, mists, etc.) combined type filters



should be provided. Use of respiratory protective equipment is necessary in case the technical measures taken are not sufficient to limit the exposure of the worker to the threshold values considered. The protection provided by masks is in any case limited. In the case where the substance in question is odorless or its olfactory threshold is higher than the related TLVTWA, and in case of emergency, wear a compressed air breathing apparatus open circuit (ref. Standard EN 137) or a respirator to outdoor air (ref. standard EN 138). For the correct choice of respiratory protection device, refer to EN 529.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties.

Appearance	Solid
Color	White
Odor	Mild amine
Olfactory threshold	Not available.
pH.	Not applicable.
Melting point.	145°C - 165°C
Initial boiling point.	Not applicable.
Boiling range.	Not applicable.
Flash Point.	271.0°C
Evaporation rate	0 n-BuAc=1 est.
Flammability of solids and gases	Not combustible
Lower flammable limit.	Not available.
Upper flammable limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure	<0.001mm Hg at 20 ° C.
Vapour density	Not available.
Specific gravity	0.97 at 25 °C
Solubility (water)	Insoluble
Partition coefficient: n-octanol / water:	Not applicable.
Auto-ignition temperature.	Not applicable.
Decomposition temperature.	>300°C
Viscosity	4500 cP Brookfield at 190 deg C
Explosive properties	Not available.
Oxidant properties	Not available.

9.2. Other Information

None

SECTION 10: STABILITY AND CREATIVITY

10.1. Reactivity.

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 there are no hazardous reactions expected. 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 product form adverse health effects are not anticipated with normal use. Contact with molten material may cause thermal burns.

No data are available on the mixture.

The data relates to some of the most important components of the mixtures

Eyes: The fumes released during a thermal process may cause irritation. Eye contact with dust may cause irritation. Inhalation: Overexposure may cause irritation of the nose, mouth and throat. Decomposition of the products can be toxic and should not be inhaled. Skin contact with hot material may cause burns.

Ingestion: Ingestion may cause irritation of the gastrointestinal system

Toxicity (*)

LD50 (Oral). > 20000 mg/kg Rat

LD50 (Dermal). 6000 mg/kg Rabbit

(*)Data obtained by analogy with similar products

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

No data available.

12.2. Persistence and degradability

Resin: Not readily degradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB

No data available.



12.6. Other adverse effects

None

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Reuse, when possible. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations. Under no circumstances allow to enter soil, sewers or water sources.

CONTAMINATED PACKAGING 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.

Seveso Category

None.

Candidate List of Substances (Art. 59 REACH).

None.

Substances subject to authorization (Annex. XIV REACH).

None.

Substances subject to the obligation of export notification Reg. (CE) 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



US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.



SECTION 16: OTHER INFORMATION

Text of hazard (H) indications mentioned in sections 2-3 of the sheet:

Text of risk (R) phrases mentioned in sections 2-3 of the sheet:

ABBREVIATIONS:

- ADR: European Agreement on the Transport of Dangerous Goods by Road
- CAS NUMBER: Chemical Abstract Service number – used to uniquely identify chemical components
- CE NUMBER: Identification number in ESIS (European database of existing substances)
- CLP: Regulation CE 1272/2008
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- IATA DGR: Regulation for the transport of dangerous goods by the International Air Transport Association
- IMDG: International Maritime Code for Dangerous Goods
- IMO: International Maritime Organization
- LC50: lethal Concentration 50%
- LD50: Lethal Dose 50%
- REACH: Regulation CE 1907/2006
- RID: Regulation for the international transport of dangerous goods by rail.
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time
- TWA STEL: Short-term exposure limit
- TWA: Weighted average exposure limit
- vPvB: Very persistent and very bioaccumulative according to REACH

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/CE and subsequent revisions
2. Directive 67/548/CEE and subsequent revisions and adjustments
3. Regulation (CE) 1907/2006 Of the European Parliament (REACH)
4. Regulation (CE) 1272/2008 Of the European Parliament (CLP)
5. Regulation (CE) 790/2009 Of the European Parliament (I At. CLP)
6. Regulation (CE) 453/2010 Of the European Parliament
7. Regulation (CE) 286/2011 Of the European Parliament (II At. CLP)
Product name: RubbaFIX® White
8. Regulation (CE) 618/2012 Of the European Parliament (III At. CLP)
9. Regulation (CE) 830/2016 Of the European Parliament
10. The Merck Index. Ed. 10
11. NIOSH - Registry of Toxic Effects of Chemical Substances
12. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989
13. Agency Web site ECHA

Note for users:

The information contained in this sheet is based on the knowledge available to the manufacturer at the date of the last version. The operator user must verify the suitability and thoroughness of provided information according to each specific use of the product.

It should not be construed as a guarantee on any specific product property.

The use of this product is not subject to the manufacturer's direct control; therefore, users must, under their own responsibility obey the laws and the current regulations on hygiene and safety.

The manufacturer is not liable in case of improper use.

Provide appropriate training of staff involved in the operation of chemicals.



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