

Supersedes Date: 18/07/2023
Revision Date: 9/12/2024

Tecbond 351-PR

SECTION 1: Identification of the mixture and of the company/undertaking

1.1 Product identifier Tecbond 351-PR

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture: Hot Melt Adhesive

1.3 Details of the supplier of the safety data sheet

Power Adhesives Limited
1 Lords Way
BASILDON
Essex
SS13 1TN
United Kingdom

Telephone: +44 (0)1268 885800
E-mail address of person responsible for the SDS:

Details of Person in Member State

Power Adhesives Europe BV
Zekeringstraat 17a
1014 BM
Amsterdam
Netherlands

Telephone: +4915162755731
sds@poweradhesives.com

1.4 Emergency telephone number

Power Adhesives Tel: +44 (0)1268 885800
(U.K. Monday-Friday 08:00-17:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.3 Other hazards

During use, the product is applied at elevated temperatures, exposing the user to the possibility of severe burns unless suitable precautions are taken. Exposure to high levels of fumes at application temperature may cause irritation of the eyes and respiratory tract. Product may accumulate static charges. If adhesive is overheated, especially using a naked flame it will burn. Excessive fume indicates overheating. The mixture does not contain any components identified as endocrine

disruptors (ED), substances considered to be either persistent bio accumulative and toxic (PBT), or very bio accumulative (vPvB) at levels of 0.1% or higher in accordance with REACH Annex XIII.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. This product is regulated as a mixture.

3.2 Mixtures

Hot melt adhesive containing thermoplastic polymers, tackifying resins, and antioxidant. Contains no hazardous ingredients or impurities.

No substances present that require reporting under REACH Annex II.

This mixture does not contain any substances at $\geq 0.1\%$ w/w presenting a health or environmental hazard within the means of Regulation (EC) No. 1272/2008, assigned a community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

SECTION 4: First aid measures

4.1 Description of first aid measures

Skin Contact First aid not normally required for contact with product at ambient temperature. For contact with hot product, plunge affected part into cold water until adhesive thoroughly solid and pain eases. Do not attempt to remove adhesive. Seek medical attention. Adhesive may be softened with olive oil or liquid paraffin. When hot melt removed treat as normal burn.

Eye contact Cold pellets may cause abrasions. If hot product enters eye flush area with large quantity of clean cold water. Urgently seek medical assistance.

Inhalation No inhalation hazard from cold product. Remove to fresh air if excess fume from hot product inhaled. Treat any irritation symptomatically. If necessary, seek medical attention.

Ingestion If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting. Give large quantities of water but never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Direct contact with molten adhesive will lead to severe thermal burns. Adhesive should be cooled under cold running water. Do not attempt to remove the adhesive. Exposure to fumes may cause irritation of the eyes and respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

See description of first aid measures. Treat as thermal burns.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Dry chemical powder
Carbon dioxide
Earth
Sand
Foam

Unsuitable extinguishing media: Water

5.2 Special hazards arising from the substance or mixture

Combustion Products:

Carbon dioxide, Carbon monoxide, Acetic acid, Smoke, Low molecular weight, Hydrocarbons

5.3 Advice for firefighters

Water should not be used as burning product may float on water.
Self-contained breathing apparatus with a gastight suit should be used when close proximity to the substance or its vapours is likely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Protective equipment: Wear thermal resistant gloves, arm protection and eye protection when handling molten or hot products.

Emergency procedures: Spilled material will present a slippage hazard on hard surfaces. If hot product is spilt, allow to cool and take up mechanically. Sweep up spilled material placing in suitable containers for reuse or disposal.

6.1.2 For emergency responders: As above

6.2 Environmental precautions

Prevent material from entering watercourses or sewers. Advise authorities if material enters watercourses or sewers.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment: If molten, allow to solidify

6.3.2 For cleaning up: When solid, sweep up or vacuum up spillage and collect in suitable containers for disposal.

6.3.3 Other information: Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean up of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measure: No special requirements. When emptying bulk bags product may accumulate static charge. Keep away from drains.

Advice on general occupational hygiene: Nominal industrial hygiene measures should be sufficient. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a clean dry place at temperatures between 5°C/40°F and 30°C/85°F with containers kept closed. Use oldest stock first.

7.3 Specific end use(s)

Intended for use only as industrial adhesive. Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits: Not applicable

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Personal protective equipment

Wear the following personal protective equipment:

Eye protection:	Safety glasses, conform to EN 166
Hand protection:	Heat resistant gloves, conform to EN 407
Remarks:	Wash hands before breaks and at the end of workday.
Skin and body protection:	Skin should be washed after contact.
Respiratory protection:	No personal respiratory protective equipment normally required, only in areas with inadequate ventilation

Environmental exposure controls

Not applicable

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state at 20°C:	Solid
Colour:	Various
Odour:	No significant odour at ambient temperature
Odour threshold:	No data available
Melting/freezing point:	>75°C/ 165°F
Boiling point:	Not technically feasible
Flammability:	Combustible, but not flammable
Lower and upper explosion limit:	Not technically feasible
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	Not technically feasible
Kinematic viscosity:	Solid at ambient temperatures
Solubility:	Insoluble in water
Partition coefficient n-octanol/water:	No data available
Vapour pressure:	No data available
Relative density:	0.8-1.2g/cm ³
Relative vapour density:	No data available
Particle characteristics:	No data available
Explosives properties:	None

9.2 Other information

VOC content at 23°C: 0%

SECTION 10: Stability and reactivity**10.1 Reactivity**

Under normal conditions of use the material is considered to be non-reactive

10.2 Chemical stability

Under storage at normal ambient temperatures (-40°C/-40°F to + 40°C/105°F), the product is stable

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Storage below 5°C/40°F and above 30°C/85°F. Take precautionary measures against static discharge.

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Carbon dioxide, Carbon monoxide, Acetic acid, Smoke, Low molecular weight hydrocarbons

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in regulation (EC) No 1272/2008

Acute toxicity:	Bases on available data, the classification of criteria are not met
Skin corrosion/ irritation:	Bases on available data, the classification of criteria are not met
Serious eye damage/irritation:	Bases on available data, the classification of criteria are not met
Respiratory or skin sensitisation:	Bases on available data, the classification of criteria are not met
Germ cell mutagenicity:	Bases on available data, the classification of criteria are not met
Carcinogenicity:	Bases on available data, the classification of criteria are not met
Reproductive toxicity:	Bases on available data, the classification of criteria are not met
STOT- single exposure:	Bases on available data, the classification of criteria are not met
STOT repeated exposure:	Bases on available data, the classification of criteria are not met
Aspiration hazard:	Bases on available data, the classification of criteria are not met

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation Negligible hazard at ambient temperature. Vapour at elevated temperature may be irritating to the eyes and respiratory tract.

Skin contact Negligible hazard at ambient temperature. Contact with hot material will cause thermal burns which may be severe depending upon amount.

Eye contact Exposure to hot material will cause thermal burns which may be severe. Pellets may scratch eye surface or cause mechanical irritation.

Ingestion Not determined but believed to have a low order of toxicity.

11.2 Information of other hazards

Endocrine disrupting properties: This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

SECTION 12: Ecological information

12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

12.3 Bio accumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Endocrine disrupting properties

No information available

12.7 Other adverse effects

No information available

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Disposal methods Disposal of contents/container to an appropriate recycling or disposal facility

Waste treatment methods Suitable routes of disposal are supervised incineration with energy recovery or appropriate recycling or approved landfill sites in accordance with applicable regulations and material characteristics at the time of disposal

SECTION 14: Transport information

ADR/ RID/ ADN/ IMDG/ ICAO-TI / IATA-DGR

14.1 UN number or ID number

Not regulated

14.2 UN proper shipping name

Not regulated

14.3 Transport hazard class(s)

Not regulated

14.4 Packing group

Not regulated

14.5 Environmental hazards

Not regulated

14.6 Special precautions for user

Not regulated

14.7 Maritime transport in bulk according to IMO instruments

Not regulated

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable

The components of this product are reported in the following inventories:

REACH: All ingredients (pre-)registered or exempt.

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Incorrect application can cause degradation of the product. Observe the maximum recommended processing temperature for this product found on the appropriate technical data sheet. If necessary, contact the technical service department for advice.

Updates from last revision: New SDS format and content

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. Whilst the information contained on this data sheet is the result of careful laboratory evaluations by trained and qualified staff using British Standard or similar test methods, it is designed to give guidance only on the safe handling, use, processing, storage, transportation, disposal and accidental release measures relating only to the specific material identified at the top of this SDS, and may not be valid when the SDS material is used in combination with any other materials or in any processes.

No warranty is expressed or implied regarding the accuracy of the data contained within this SDS, or the suitability of the adhesive for any specific purpose. In every case, we strongly recommend that the user shall make their own test to determine, to their own satisfaction, the suitability of the adhesive for their particular purpose.

Glossary

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CLP: Classification Labelling and Packing Regulation; Regulation (EC) No 1272/2008

EC: European Community

ED: Endocrine Disruptor

EN: European Standards

IATA-DGR: International

IMDG: International Maritime Dangerous Goods

PBT : Persistent, Bioaccumulative and Toxic substance

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS: Safety Data Sheets

STOT: Specific Target Organ Toxicity

TSCA: Toxic Substances Control Act

VOC: Volatile organic compounds

vPvB: Very Persistent and Very Bioaccumulative