



UNICOL S.R.L.

4067400 - UNIBORD 674

Revision nr.3
Dated 18/9/2012
Printed on 18/9/2012
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EN

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **4067400**
Product name: **UNIBORD 674**

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

Intended use: **hot melt adhesive based on ethylene vinyl acetate copolymer**

1.3. Details of the supplier of the safety data sheet

Name: **UNICOL S.R.L.**
Full address: **Via del Commercio ,2**
District and Country: **31043 Fontanelle (TV) Italia**
Tel.: **0039 (0)422 809009**
Fax: **0039 (0)422 809044**

e-mail address of the competent person responsible for the Safety Data Sheet: **m.cuzziol@unicol.it**

1.4. Emergency telephone number

For urgent inquiries refer to: **0039(0)2 66101029 - Centro Antiveleni Ospedale Niguarda - Milano**

2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

2.2. Label elements.

Pictograms: --
Warning: --
Hazard indication: --
Caution recommendations: --

This product is not subject to hazard labeling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

2.3. Other hazards.

Information not available.

3. Composition/information on ingredients.

3.1. Substances.

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in Directives 67/548/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

3.2. Mixtures.

Information not relevant.

4. First aid measures.

Contact with skin:

interventions of first aid are usually not normally not necessary. In case of contact whit melted adhesive cool immediately the skin with plenty of cold water. Cover with cotton cloth or clean gauze the involved area and call a doctor. Do not try to remove the material from the skin to avoid the laceration of injured cutaneous tissues.

Contact with eyes:

being an inert solid material, remove it like any foreign body.

Ingestion:

do not induce vomiting and call a doctor.

Inhalation:

in case of exposure to vapours and aerosol generated at high temperature, the patient has to be moved immediately from the contaminated place and taken in a well ventilated area. Keep the patient at rest and call a doctor. If breathing is stopped, administer artificial respiration.

4.1. Description of first aid measures.

Information not available.

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

Information not available.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), a depressurised mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.

6. Accidental release measures.

Warning: the granules on hard surfaces can cause sliding.

Collect the largest amount of the solid product with mechanical tools: if the leakage area is clean the product can be re-used. On the contrary collect it and recover for elimination according to the current regulations in forces.

6.1. Personal precautions, protective equipment and emergency procedures.

Information not available.

6.2. Environmental precautions.

Information not available.

6.3. Methods and material for containment and cleaning up.

Information not available.

6.4. Reference to other sections.

Information not available.

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7. Handling and storage.

Avoid contact and inhalation of the vapours.
Do not eat or drink while working.

Store in a fresh dry place at 5-30°C in the original package.
Keep far away from heat sources and direct sunlight.

7.1. Precautions for safe handling.

Information not available.

7.2. Conditions for safe storage, including any incompatibilities.

Information not available.

7.3. Specific end use(s).

Information not available.

8. Exposure controls/personal protection.

8.1. Control parameters.

Information not available.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds a suitable respiratory tract protection must be used. See product label for hazard details during use. Ask your chemical substance suppliers for advice when choosing personal protection equipment. Personal protection equipment must comply with the rules in force indicated below.

9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	granular solid
Colour	white - walnut
Odour	odourless
Odour threshold.	nonmisurabile / no misurable
pH.	Not available.
Melting or freezing point.	100 °C.
Boiling point.	> Not applicable.
Distillation range.	Not available.
Flash point.	Not applicable.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not applicable.
Upper explosive limit.	Not applicable.
Vapour pressure.	Not available.
Vapour density	Not available.
Specific gravity.	1,550 Kg/l
Solubility	insoluble
Partition coefficient: n-octanol/water	Not available.
Ignition temperature.	> 200 °C.
Decomposition temperature.	>250°C
Viscosity	Not available.
Reactive Properties	Not available.

9.2. Other information.

Solid content:	100,00 %
Contenuto C.O.V.	0 %
Densità relativa	~1.55 a 20°C
Punto di fusione	~100°C
Proprietà esplosive	NO PROPERTIES 'EXPLOSIVE
Punto di ebollizione	>300°C
Pressione di vapore	0 hPa



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Densità Vapori: 0 g/cm³
Coefficiente di ripartizione: n-ottanolo/acqua: insoluble at water

10. Stability and reactivity.

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 in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid.

None in particular, however the usual precautions used for chemical products should be respected.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

11. Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

11.1. Information on toxicological effects.

Information not available.

12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity.

Information not available.

12.2. Persistence and degradability.

Information not available.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

Information not available.

12.6. Other adverse effects.

Information not available.

13. Disposal considerations.

code CER: 080410

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Solid residues may be suitable for disposal in an authorised landfill site.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.



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14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

15. Regulatory information.

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

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

None.

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Healthcare controls.

Information not available.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

16. Other information.

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. The Merck Index. - 10th Edition
8. Handling Chemical Safety
9. Niosh - Registry of Toxic Effects of Chemical Substances
10. INRS - Fiche Toxicologique (toxicological sheet)
11. Patty - Industrial Hygiene and Toxicology
12. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to previous review:

The following sections were modified:

02 / 03 / 04 / 05 / 06 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.