

PRODUCT SAFETY DATA

Issued March 2009

The following data is designed to provide health and safety information as required by COSHH regulations concerning wood chipboard manufactured by NORBORD Ltd

1. PRODUCT

The raw chipboard included in this document are types P1, to P7. Melamine Faced Chipboard (MFC) and Finish Foil Faced Chipboard is also included.

2. COMPOSITION OF BOARDS

Constituent: Approximate Content:

Wood 80%

Solid Resin 7-11% (urea Formaldehyde or melamine urea formaldehyde)

Water 4-11%

Solid Wax 0.3-1.5%

Hardener 0.15 0.18% (ammonium nitrate)

Others (e.g. silica) trace

3. HAZARDS IDENTIFICATION

Norbord Ltd chipboard products are generally classified as non-hazardous.

Dust created by a machining process could cause irritation and should be contained by local exhaust ventilation.

4. FIRST AID MEASURES

Eyes: accidental contact of chipboard particles with the eyes will cause irritation.

Rinse with water and seek medical advice immediately.

Skin: Minor cuts and lacerations from chipboard products should be thoroughly cleaned and a suitable dressing applied.

Ingestion: small quantities of dust is not likely to be harmful.

Inhalation: Inhalation of large quantities of chipboard dust may cause respiratory difficulties. Remove effected person to fresh air and seek medical aid if breathing remains difficult.

5. FIRE FIGHTING MEASURES

Chipboard will burn if ignited and fire precautions should be similar to those required for any other wood product.

Water, carbon dioxide (CO₂), foam or dry powder can be used as an extinguishing medium.

Avoid inhaling fumes and smoke in the event of fighting a fire.

Self-contained breathing apparatus is recommended where dense smoke may be encountered.

Unusual fire and explosion hazard: none known. However, accumulation of fine dust can give rise to dust explosion in the event of fire.

6. ACCIDENTAL RELEASE MEASURES

No special measures are necessary.

Chipboard products may be treated like natural timber.

7. HANDLING AND STORAGE

Handling: No special measures are necessary when handling chipboard, as there is no particular hazard to health caused by touch or any other contact with the boards. However, care has to be taken when lifting heavy boards, to avoid injury.

It is also recommended that gloves and safety glasses be worn when removing straps from packs of boards or when cutting material.

Storage: No potential health hazards are involved from either long or short term storage of chipboard. However, the material should be stored under dry and ventilated conditions as dampness may, in some cases, affect the physical properties of the product.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Whenever boards are to be machined, i.e. sawn sanded or shaped, the equipment used should be fitted with effective local exhaust ventilation to control dust.

Respiratory Protection: Where mechanical processing releases dust, a suitable dust mask shall be worn. An advisory exposure limit of 5mg per m³ for 8 hours exposure should be observed.

Eye Protection: Suitable eye protection should be used when machining chipboard products to protect from flying particles.

Hand / Skin Protection: suitable gloves should be worn.

9. PHYSICAL AND MECHANICAL PROPERTIES

Form: Chipboard: compressed wood particles using a synthetic binder.

Melamine faced chipboard: Chipboard faced with melamine impregnated paper

Finished Foil: faced with melamine impregnated and lacquered paper.

Odour: None

Ph value: Not applicable

Boiling point: Not applicable

Flash point: Not applicable

Flammable limits: Not available

Interactions with other materials: No known synergetic interactions of chipboard with other materials

10. STABILITY AND REACTIVITY

Stability: Unknown

Decomposition products: Unknown

11. TOXICOLOGICAL INFORMATION

Health effects: chipboard products are not toxic.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: None

Biodegradability: In the long term, chipboard products are biodegradable.

13. DISPOSAL CONSIDERATION

Dispose in accordance with local regulations.

Normal landfill sites or licensed incineration are considered suitable.

14. TRANSPORT INFORMATION

There is no classification or regulation of the transport of chipboard materials.

15. REGULATORY INFORMATION

Hazard information: Chipboard is nonhazardous.

16. OTHER INFORMATION

Chipboard products should be stored, handled and used in accordance with good industrial practice, taking into account all legal regulations.

NOTE:

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