

NIGHTINGALE SUPPLY

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MATERIAL SAFETY DATA SHEET

NON-HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

Product Name: GRASP HOT MELT 1

Recommended Use: bonding of paperboard on high speed packaging lines.

Emergency Telephone: (24 HOURS) Contact Poison Information Centre:
1311 26

- **Hazards Identification**

NON HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

This material is NOT classified as Hazardous according to health criteria of NOHSC Australia.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

Poisons Schedule (Aust): Not applicable

3. Composition/Information on Ingredients

- **COMPOSITION CAS # %**

Non-hazardous Ingredients - To 100%

- **First-Aid Measures**

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0800 764766) or a doctor.

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

Skin Contact: Contact with hot molten material will cause thermal burns – immediately flood affected area with water for 10 minutes. Cover area with a clean dressing and seek medical attention.

If molten material should contact the skin and adhere – cool with running water – DO NOT attempt to remove the adhesive from the skin, seek medical assistance.

If skin contact occurs with cold/solid material - wash skin with soap and water. If irritation occurs seek medical advice.

Eye Contact: If in eyes, wash out immediately with water. Solids material will be a physical irritant. Molten material will cause burns – flush with water and seek immediate medical assistance. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: If solid is swallowed rinse mouth with water. Molten material will cause burns, give a glass of water - seek immediate medical assistance.

Medical attention and special treatment:
Treat symptomatically.

- **Fire-Fighting Measures**

Suitable Extinguishing Media: foam, carbon dioxide or dry chemical powder .use water spray to cool down fire exposed surfaces, but do not use on molten hot melt.

Hazards from Combustion: Possible formation of oxides of carbon, smoke and other unidentified products.

Precautions for Fire-fighters: Not combustible. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.. On burning may emit toxic fumes.

Fire-fighting equipment: If exposed to fumes or products of combustion it's advisable to wear selfcontained breathing apparatus.

Hazchem Code: Not Applicable.

- **Accidental Release Measures**

Emergency procedures: wear protective equipment when dealing with molten material.

Methods and materials for containment and clean up:

Molten Material: Contain molten material using absorbent material such as sand soil on spilt adhesive. When adhesive has set, collect, seal in containers and identify for disposal. Area may be hosed down to remove any remaining material but, where possible water should be collected for disposal. Solid Material: Sweep up any spilt materials – reuse if clean. Collect and seal in properly labelled containers or drums for disposal. Wash area down with water if required – collect water for disposal.

- **Handling and Storage**

Handling advice: Avoid contact eyes and repeated or prolonged skin contact.

Storage advice: Store in cool well-ventilated place, out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

This material is NOT classified as a dangerous goods nor a scheduled poison.

- **Exposure Controls / Personal Protection**

Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

- **Engineering controls:**

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. If product is to be used in a confined space local extraction is recommended. Use in well ventilated areas. Keep containers closed when not in use.

Personal Protective Equipment:

MANUFACTURE, PACKAGING AND TRANSPORT:

Respirator type Organic Vapour respirator is recommended if at risk of exposure to vapours from molten material.

Eye protection Safety glasses with side shield, chemical goggles or face mask.

Glove type Heat resistant gloves if working with hot/molten material.

Clothing Standard work overalls covering arms and legs.

Foot wear Safety shoes or boots.

Work /hygiene practice : Always wash hands before smoking, eating, drinking or using toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and chemical properties

Appearance / Colour / Odour: light yellow solid, slight odour.

pH: Not Applicable

Vapour Pressure (15 °C): Not Available

Vapour Density (air=1): Not Applicable

Boiling Point (°C): Not Available

Melting point (°C): approx 105 °C

Solubility in water (g/L): Insoluble

Specific Gravity: 0.97 approx

Flash Point (°C): Not Applicable

Flammability Limits: Not Applicable

Autoignition temperature (°C): Not Applicable

Decomposition Point (°C): > 200 °C

Percent Volatile: < 1

- **Stability and Reactivity**

Chemical stability: Stable when stored and used as directed.

Conditions to avoid: Do not allow water or other volatile materials to contaminate molten materials. Do not use wet material.

Incompatible materials: Advisable to avoid Oxidising agents.

Hazardous decomposition products: If heated excessively, possible formation of oxides of carbon and other unidentified (possible toxic) products.

Hazardous Reactions: None known.

- **Toxicological Information**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet. Symptoms or effects that may arise if the product is mishandled and overexposure occurs.

Acute Effects:

Ingestion: No adverse effects expected, however large amounts may cause nausea and vomiting. Swallowing of larger pieces may cause obstruction of throat and choking.

Eye contact: Fumes from molten material can be mildly irritating to eyes. Pieces of materials will be physically irritating to eyes.

Skin contact: Molten materials will cause thermal burns. Material at room temperature is will not cause irritation..

Inhalation: vapour and fumes from molten material are mildly irritating to mucous membranes and respiratory tract and may result in nausea .

Chronic Effects:

Available data indicates low toxicity. Long term exposure to this product type indicates no danger to health when handled in accordance with good industrial practices

Toxicological Data: No LD50 data available for the product.

- **Ecological Information**

Ecotoxicity: material is expected to be of low toxicity. Immiscible with water.

Mobility/Persistence/Biodegradability: No information available for this product.

- **Disposal Considerations**

Disposal methods: Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for disposal at approved land waste site or for incineration by approved agent

- **Transport Information**

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. Regulatory Information

Classification: Based on available information, not classified as hazardous according to criteria of NOHSC;

NON-HAZARDOUS SUBSTANCE.

Poisons Schedule: None allocated.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

The data in the Material Safety Data sheet has been compiled from our Suppliers Material Safety Data Sheet. This data relates only to the designated product and not to the use of said product in combination with other materials. Because conditions and circumstances of use of the product are beyond our control and any summary of data such as is represented by this material safety Data Sheet is inherently incomplete, Nightingale Supply makes no warranty about the accuracy of the data herein and assume no liability for the use of such data. Responsibility for proper precautions and safe use of the product lies with the user.