



1. Chemical Product And Company Identification

Product Name	Ultramelt 4001
Product Type	Hot Melt Adhesive
Suggested purpose and limitations	Bonding, adhesion
Company Name	Nordale Australia Pty Ltd (ABN 66 114 879 122)
Company address	70 Link Drive, Campbellfield, Victoria 3061
Company Tel & Fax	Tel: 1300 550 377 / 03 9357 7100 Fax: 03 9357 0655

2. Hazardous Identification

Hazardous Category	Non-hazardous substances
GHS label	None
Label Content	
Symbol	None
Warnings	Do not touch it directly while melting by heat to avoid scalding
Hazard warning message	Touching it directly while melting by heat will cause contact burns.
Hazard prevention measures	None
Other hazards	None

3. Composition, Information On Ingredients

Mixture		
Ingredients	CAS No.	WT%
Polyolefin	9010-79-1	35 ~ 45%
Hydrogenated hydrocarbon	69430-35-9	35 ~ 45%
Wax	9002-88-4	10 ~ 20%
Anti Oxidant	6683-19-8	0.5~2%
Hazardous ingredients	None	

4. First Aid Measures

Ingestion	Seek medical attention immediately.
Inhalation	If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Skin Contact	Immediately flush skin with large amounts of cold/ice water for at least 30 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Cover affected area with a clean dressing. Seek immediate medical attention.
Eye Contact	Immediately flush eye with large amounts of cold water for at least 30 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Cover affected area with a clean dressing. Seek immediate medical attention.
Most important symptoms and hazardous effects	Redness, swelling, and pain caused by burns.
Protection for first aid personnel	Immediately flush the burned part with large amounts of cold/ice water for at least 30 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Cover affected area with a clean dressing. Seek immediate medical attention.
Recommendations to physicians	-



5. Fire Fighting Measures

Extinguishing Agents	Water spray, dry chemicals.	
Special fire fighting hazards	None	
Special Firefighting Procedures	<ol style="list-style-type: none"> 1. Use water or dry chemical for fire extinguishing; small-scale of fire can use the way of sprinkling water. 2. Sprinkle the source of ignition with water to lower its temperature. 3. Sprinkling products in molten state at large-scale fire will cause the splashing of hot water and melting products. 4. It's required to wear protective clothing with a supply of respiratory equipment. 5. After the fire is extinguished, isolation zone should be set up before cooling and curing of the internal products. 	
Special protective equipment of firefighters	Wear self-contained breathing apparatus and protective clothing.	
Explosion bottom line	Explosion upper limit	Not applicable
	Explosion lower limit	Not applicable

6. Accidental Release Measures

Individual precautions	Avoid contacting the hot melting materials with skin and eyes from getting burns. In accordance with international conventions or local regulations. Incineration at the government-approved incineration.
Environmental precautions	
Cleaning Method	Use broom and dustpan for cleaning

7. Handling And Storage

Handling	Avoid contacting the hot material with the skin. Avoid children from touching.
Storage	Avoid contacting with oxides, exposing under the sun, and be away from the fire. Stored in sealed containers (to prevent dust pollution)

8. Exposure Controls, Personal Protection

Engineering control	None		
Control parameters			
Time weighted average for an 8 hour shift (TWA)	Short Term Exposure Limit (STEL)	CEILING	Biological exposure index (BEI)
No data	No data	No data	No data
Personal protective equipment	Respiratory Protection	Tough the smoke and smell generated by hot melting is not toxic, but due to different feeling of each person, it is recommended to wear a mask.	
	Hands protection	Heat insulation gloves	
	Eyes protection	safety goggle	
	Skin protection	Wearing long-sleeved or protective clothing can avoid unexpected burns while using hot melt adhesive.	
Sanitary measures	No specific requirement		



9. Physical And Chemical Properties

States of Matter	solid	Odor	resin
Olfactory threshold	No applicable	Melting point	No applicable
pH	No applicable	Boiling Point	No applicable
Flash point	over 392°F, 200°C	Flammability (solid, liquid)	No applicable
Test method	■ open cup □ closed cup	Decomposition temperature	–
Auto-ignition temperature	No applicable	Explosion limit	No applicable
Specific Gravity	0.92 ~ 0.98	Solubility	No applicable
Evaporation Rate	No applicable	octanol / water partition coefficient (log Kow)	No applicable
Shape	Granule or Pellet	Color	White
Soften Point	94 ± 5°C	Viscosity(180°C)	520 ~ 980cps

10. Stability And Reactivity

Stability	Stable
Special Conditions Of Hazardous Reaction	Not applicable
Conditions to Avoid	Temperature above 200°C
Incompatibility	might react with strong oxidant
Hazardous Decomposition Products	Flammable Hydrocarbon, carbon monoxide and fumes.

11. Toxicological Information

Exposure approach	None	
Symptoms	None	
Acute Toxicity	Inhalation	Inhalation of dust and smoke will stimulate the respiratory system.
	Skin	None
	Eye	None
	LD50(testing animal's absorption approach)	No data
	LC50(testing animal's absorption approach)	No data
	500mg/24hr(rabbit, skin) 20mg/24hr(rabbit, eyes)	No data No data
chronic toxicity or long-term	None	

12. Ecological Information

Ecological Toxicity	LC50(fish)	No data
	EC50(aquatic invertebrates)	No data
Sustainable and De-toxic	Difficult to naturally degrade, but can be recycled by appropriate ways	
Ecologic Accumulation	No data	
Liquidity in Soil	No data	
Other poor Effect	Improper burning may generate hazardous gas.	



Material Safety Data Sheet
ULTRAMELT 4001

13/11/2017 : Update

13. Disposal Considerations

Disposal considerations	<ol style="list-style-type: none"> 1. Refer to relevant regulations 2. Storage waste according to storage conditions 3. Able to apply specific incineration or sanitary land filling
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14. Transportation Information

The United Nations	None
The United Nations Shipping	None
D.O.T. Hazard Class	None
Package Category	None
Maritime Pollutants(yes/no)	No
International Transport	Not regulated
Domestic Transport Regulation	Not regulated
Special Transport Way And	Not regulated

15. Regulatory Information

1. Rules of labor safety and health facilities
2. Rules on Hazard Communication of Dangerous Materials and Toxic Materials'
3. Organic solvent poisoning prevention regulation
4. Standards of Permissible Exposure Limits of Airborne Hazardous Substances in Workplace
5. Road Traffic Safety Regulation
6. Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste
7. Public Hazardous Substances & Flammable Pressurized Gases Establishment Standards & Safety Control Regulation.

16. Other Information

NFPA CODE	Health Hazard	1
	Fire Hazard	1
	Reactivity Hazard	0
	Specific Hazard	None

Prepared Company	Nordale Australia Pty Ltd
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