



Material Safety Data Sheet

THIS MATERIAL SAFETY DATA SHEET IS PREPARED TO COMPLY WITH THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAZARD COMMUNICATION STANDARD (29CFR 1910.1200). UNLISTED INGREDIENTS ARE NOT HAZARDOUS PER THE OSHA STANDARD.

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|---|---|
| IDENTITY (<i>As Used on Label and List</i>) : R611-C (BQ-LTA) | Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. |
| Section I | |
| Manufacturer's Name STANDARD DUPLICATING MACHINES CORPORATION | Emergency Telephone Number: (978) 470-1920 |
| Address (<i>Number, Street, City, State, and ZIP Code</i>) 10 CONNECTOR RD. ANDOVER, MA 01810 | Telephone Number for Information: (978) 470-1920 Date Prepared: March 25, 2004 Preparer: Robert Mason |
| Product Use HOTMELT ADHESIVE FOR USE IN BOOKBINDING | |

Section II - Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|---|----------|-----------|--------------------------|--------------|
| NONE | | | | |

Section III - Physical/Chemical Characteristics

| | | | |
|-------------------------|------------------|--|-----------------------------|
| Boiling Point | No Data | Specific Gravity (H ₂ O) = 1) | 1.00 |
| Vapor Pressure (mm Hg.) | N/A | Melting Point | NO DATA |
| Vapor Density (AIR = 1) | Heavier than Air | Evaporation Rate (Butyl Acetate = 1) | Slower than n-Butyl Acetate |

Solubility in Water: NONE

Appearance and Odor: AMBER/IVORY COLORED SOLID WITH PRACTICALLY NO ODOR

Section IV - Fire and Explosion Hazard Data

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|-----------------------------------|------------------|--------------|--------------|
| Flash Point (Method Used) NO DATA | Flammable Limits | LEL: NO DATA | UEL: NO DATA |
|-----------------------------------|------------------|--------------|--------------|

Extinguishing Media CO₂, DRY CHEMICAL OR FOAM

Special Fire Fighting Procedures THIS MATERIAL IS IN SOLID FORM AT ROOM TEMPERATURE, BUT IN FIRE CONDITIONS FUMES AND DECOMPOSITION WILL PRODUCE ACETIC ACID AND CARBON MONOXIDE. FULL PROTECTIVE CLOTHING AND BREATHING APPARATUS SHOULD BE WORN.

Unusual Fire and Explosion Hazards COOLING WITH WATER WILL SOLIDIFY THE MATERIAL VERY RAPIDLY. NO UNUSUAL FIRE AND EXPLOSION HAZARDS ARE KNOWN.

Hazardous Combustion Products: INCOMPLETE COMBUSTION PRODUCES ACETIC ACID AND CARBON MONOXIDE.

Section V - Reactivity Data

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|-----------|----------|----------|--------------------------|
| Stability | Unstable | | Conditions to Avoid NONE |
| | Stable | X | |

Incompatibility (Materials to Avoid): NONE KNOWN

Hazardous Decomposition or Byproducts : HIGH TEMPERATURES (450 DEG. F OR ABOVE) ARE TO BE AVOIDED AS SMALL AMOUNTS OF ACETIC ACID FUMES CAN BE GENERATED.

| | | | | |
|--------------------------|----------------|----------|---------------------|------|
| Hazardous Polymerization | May Occur | | Conditions to Avoid | NONE |
| | Will Not Occur | X | | |

Section VI - Health Hazard Data

Route(s) of Entry:

Inhalation: INHALATION OF MOLTEN MATERIAL FUMES MAY RESULT IN A HEADACHE, IF INSUFFICIENT VENTILATION

Eye and Skin contact: MOLTEN MATERIAL WILL CAUSE SEVERE EYE DAMAGE IF CONTACT OCCURS. FUMES FROM MOLTEN MATERIAL MAY CAUSE SOME IRRITATION IF ADEQUATE VENTILATION IS NOT USED. MOLTEN MATERIAL WILL CAUSE INTENSE SKIN BURNS AS WOULD ANY OTHER MOLTEN THERMOPLASTIC MATERIAL.

Ingestion: SHOULD THIS OCCUR, THE MOLTEN POLYMER WILL BURN THE INTERNAL ORGANS SEVERELY. SOLID MATERIAL IF INGESTED WILL CAUSE NO DAMAGE AT ALL.

Health Hazards (Acute and Chronic): **INHALATION:** NOT POSSIBLE IF MATERIAL IS IN SOLID FORM. IF MOLTEN, OVEREXPOSURE WILL CAUSE A HEADACHE. **EYES:** SOLID MATERIAL HAS NO EFFECT. MOLTEN MATERIAL CAN IRRITATE AND BURN IF IN DIRECT CONTACT. **SKIN:** SOLID MATERIAL HAS NO EFFECT. MOLTEN MATERIAL WILL BURN INTENSELY. IF PERSONAL CONTACT WITH MOLTEN MATERIAL PRODUCES A BURN, SEE A PHYSICIAN OR BURN CENTER IMMEDIATELY.

Carcinogenicity: NTP? NO IARC Monographs? NO OSHA Regulated? NO

Signs and Symptoms of Exposure: THIS PRODUCT IN MOLTEN STATE CAN CAUSE SEVERE BURNS

Medical Conditions Generally Aggravated by Exposure: HEADACHES

Emergency and First Aid Procedures: **INHALATION:** REMOVE TO FRESH AIR. **EYES:** IF MOLTEN, RINSE WITH COLD WATER IMMEDIATELY AND SEE A PHYSICIAN IMMEDIATELY. **SKIN:** IMMEDIATELY SUBMERGE BURNED SKIN AREA IN COLD CLEAN WATER. DO NOT ATTEMPT TO PULL AWAY SOLIDIFIED MATERIAL ADHERING TO SKIN. SEEK MEDICAL ATTENTION. **INGESTION OF MOLTEN MATERIAL:** BRING TO HOSPITAL IMMEDIATELY. * * * THIS MATERIAL AT ROOM TEMPERATURE IS A SOLID MATERIAL BUT IS NORMALLY USED AS A HOT MELT, SO TREAT ANY PERSONAL CONTACT WITH MOLTEN MATERIAL AS A NORMAL BURN.

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Section VII - Precautions for Safe Handling and Use

Steps to be Taken in case Material is Released or Spilled: NORMAL HOUSEKEEPING FOR SOLID MATERIAL. CLEAN MACHINERY OF RESOLIDIFIED MATERIAL WITH SOLVENT, TAKING CARE TO ELIMINATE ALL HEAT AND SPARK SOURCES. FOR LARGE SPILLS OF MOLTEN LIQUID, ALLOW TO SOLIDIFY AND SCRAPE UP.

Waste Disposal Method: NORMAL DISPOSAL FOR SOLID WASTE MIGHT BE USED FOR OTHER PLASTIC MATERIALS SUCH AS POLYETHYLENE. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

Precautions to be Taken in Handling and Storing: NOT APPLICABLE IN SOLID FORM. REVIEW EMERGENCY AND FIRST AID PROCEDURES BEFORE HANDLING MOLTEN MATERIALS.

Other Precautions: NONE IN SOLID FORM.

Section VIII - Control Measures

Respiratory Protection (Specify Type) : NONE REQUIRED FOR NORMAL USAGE CONDITIONS WITH ADEQUATE VENTILATION.

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| Ventilation | Local Exhaust LOCAL EXHAUST IF USED IN A CONFINED AREA. | Special NONE KNOWN |
| | Mechanical (General) MECHANICAL VENTILATION REQUIRED FOR LARGE VOLUME USE. | Other NONE KNOWN |

Protective Gloves: YES, IF HANDLING HOT MOLTEN MATERIAL

Eye Protection: ALWAYS USE SAFETY GLASSES WHEN DEALING WITH CHEMICALS. SPLASHING COULD OCCUR.

Other Protective Clothing or Equipment: FULL BODY COVERING CLOTHES IF SPLASHING OR SPRAYING THE MOLTEN MATERIAL

Work/Hygenic Practices: ALWAYS HANDLE CHEMICALS WITH CARE. BE SURE TO HAVE EYE RINSE AND SHOWER STATION WITHIN THE WORKING AREA.