BOHNING COMPANY, LTD.
Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Trade Name / Synonyms: **Quantum XT**
Product Description: **Adhesive**
MSDS Created On: **11/07/2006**

Manufacturer: **Bohning Company, LTD.**
Address: **7361 North Seven Mile Road**
Lake City, MI 49651
Telephone: **231-229-4247**

FOR MEDICAL EMERGENCY CALL:
Phone Number: 800-688-4005

Section 2: Composition, Information, or Ingredients

Ingredients: Proprietary

CAS #: Special Chemical Names (s) and CAS Numbers (s) will be a trade secret as allowed by 29 CFR 1910.1200

Section 3: Hazard(s) Identification

Emergency Overview: **Remove all sources of ignition. Wear suitable protective equipment. Ventilate area and use appropriate absorbent to soak up any material.**

Potential Health Effects: **Route(s) of Entry: Inhalation? Yes Skin? No Ingestion? Yes**

Acute Hazards: **Acute exposure irritates eyes and mucous membranes.**
Chronic Hazards: **No residual effects of acute properties.**
Signs and symptoms: **Irritation to respiratory tract, skin, and eyes; coughing; chest pains; breathing difficulties; dizziness; lack of coordination; narcosis; dermatitis.**

Section 4: First Aid Measures

Inhalation: **Irritation of mucous membranes/coughing. Remove to fresh air. Prolonged or repeated exposure at elevated levels may produce allergic reactions with asthma-like symptoms in sensitive individuals.**
Skin contact: **Immerse bonded areas in warm, soapy water. Peel or roll skin apart. Remove cured adhesive with several applications of warm, soapy water. Prolonged or repeated contact at elevated levels may cause dermatitis.**
Eye Contact: **Tearing from eye irritation, flush with water for 15 minutes and seek medical attention.**
Ingestion: **Lips may become stuck together: apply copious amounts of warm water & encourage wetting/pressure from saliva inside mouth. Peel or roll (do no pull) lips apart. It is almost impossible to swallow cyanoacrylate as adhesive solidifies upon contact with saliva & may adhere to inside of mouth.**

Section 5: Fire Fighting Measures

***Flammable limits*:**	**LEL = NE UEL = NE Flash Point 185 degrees °f.**
***Extinguishing Media*:**	**Use CO2 or dry chemical for small fires; use foam or water fog for large fires.**
***Hazards to Fire-Fighters*:**	**Wear self contained breathing apparatus (SCBA) Fumes may be irritating if not burning and require air supply with goggles while applying large amounts of water or dry chemical extinguisher.**

Section 6: Accidental Release Measures

***Personal Protection*:**	**See Section 8**
***Environmental Hazards*:**	**See Section 3**
***Small Spill Cleanup*:**	**Spilled material should be absorbed onto an inert material and scooped up with a non sparking material.**
***Large Spill Cleanup*:**	**Remove any potential ignition sources and ventilate building.**
***CERCLA RQ: (if applicable)*:**	**not applicable**
SARA TITLE 3:	**Section 313 Annual Toxic Chemical Release reporting required for Quantum XT.**

Section 7: Handling and Storage

***Handling Instructions*:**	**Harmful if inhaled – avoid breathing vapors. Causes skin and eye irritation – avoid contact. Use with adequate ventilation. Wash thoroughly after handling.**

Section 8: Exposure Controls and Personal Protection

***Engineering Controls*:**	**Use normally accepted grounding/bonding techniques during transfers of liquid and all other phases of handling. NO SMOKING while using this material. Use with adequate ventilation or force air makeup.**
***Respiratory Protection*:**	**NIOSH/MSHA approved full-face air purifying respirator with organic vapor cartridges, or supplied air respirators. Local exhaust**
***Skin Protection*:**	**Neoprene, rubber or Nitrile gloves, Rubber apron, safety shower, and eye wash station. Promptly remove contaminated clothing.**
***Eye Protection*:**	**Wear chemical goggles or a face shield.**

Section 9: Physical and Chemical Properties

***Appearance*:**	**Transparent water-white to straw colored liquid with stimulative odor.**
***Boiling Point*:**	**365 degrees °f.**
***Specific Gravity*:**	**1.04**
***Solubility in Water*:**	**Insoluble.**
***Vapor Pressure (mm Hg)*:**	**1 @ 68 °f.**
Flash Point:	**NE**

Section 10: Stability and Reactivity

***Stability*:**	**Stable.**
***Conditions to Avoid*:**	**Excessive heat above 176 °f., moisture and alkalines**
***Materials to Avoid*:**	**Polymerized by water, alcohol, amines, alkaline materials and direct UV**
***Hazardous Decomposition By-Products*:**	**Carbon monoxide and carbon dioxide**
Hazardous Polymerization:	**Will not occur**

Section 11: Toxicological Information

Carcinogenicity: **NTP: No** **IARC Monographs: No** **OSHA Regulated: No**

Section 12: Ecological Information

This material is not classified.

Section 13: Disposal Considerations

This information of RCRA waste classification and disposal methodology provided below applies only to the BOHNING Products, as supplied. If the material has been altered on contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR part 261 et seq.) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste, information contained in Section 15 of this MSDS is not intended to indicated if the product is a listed hazardous waste. RCRA Hazardous Waste have four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 5 of this MSDS (Flash Point). For Corrosivity, see Section 9 and 14 (pH and DOT Corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (Composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. Bohning encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. Bohning recommends that organic materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at an EPA approved facilities. Bohning has proved the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

Section 14: Transport Information

Overseas:
Packing Group: PGIII
Domestic Shipments: Consumer Commodity, reclassed to ORM-D

Section 15: Regulatory Information

All components of this product are included on the TSCA Chemical inventory in compliance with the Toxic Substances Control Act, 15 U.S.C. 2601 et. Seq.

Section 16: Other Information

This MSDS meets the requirements specified in 29 CFR 1910.1200. Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.