

HMIS RATING	
Health	1
Flammability	2
Reactivity	1

**MATERIAL  
SAFETY DATA  
SHEET**

NFPA 704 RATING	
Health	1
Flammability	2
Reactivity	1
NFPA 30B LEVEL	
N/A	

KIMBALL-MIDWEST  
P.O. BOX 2470  
COLUMBUS, OH 43216-2470  
CORPORATE TELEPHONE: 614-219-6100  
EMERGENCY TELEPHONE: 800-424-9300

### 1. PRODUCT IDENTIFICATION

PART NUMBER.....80-1168  
PRODUCT NAME.....Ultra Bond 2- 0.5 gm. tube, 18 pack  
CHEMICAL FAMILY.....N/A  
DOT SHIPPING.....Consumer Commodity ORM-D

### 2. HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL IDENTITY, COMMON NAMES	OSHA PEL	ACGIH TLV	STEL	%
Ethyl-2-Cyanoacrylate (7085-85-0)	NE	NE	-	60-100
Poly (Methyl Methacrylate) (9011-14-7)	NE	NE	-	10-30
*Hydroquinone (123-31-9)	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	-	0-1

All chemical compounds marked with an asterisk (\*) are toxic chemicals subject to the reporting of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement. \*\*Ceiling

### 3. PHYSICAL DATA

BOILING POINT (RANGE).....365°F  
VAPOR PRESSURE PSIG @ 20°C.....1  
VAPOR DENSITY (AIR = 1).....nil-NE  
SOLUBILITY IN WATER.....Insoluble  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1).....1.05  
MELTING/FREEZING POINT.....N/A  
EVAPORATION RATE (61%=1).....nil-NE  
VOC content (by weight).....46.2  
APPEARANCE AND ODOR.....Transparent white/water  
to straw colored liquid with  
stimulative odor

### 4. FIRE AND EXPLOSION DATA

FLASH POINT.....185°F TCC  
UPPER EXPLOSIVE LIMIT (%).....NE  
LOWER EXPLOSIVE LIMIT (%).....NE  
EXTINGUISHING MEDIA.....Flush with large amounts  
of water or dry chemical  
extinguisher.  
SPECIAL FIREFIGHTING PROCEDURES.....Fumes may be irritating if not  
burning and require air supply  
with goggles while applying large  
amounts of water of dry chemical  
extinguisher.  
FIRE AND EXPLOSION HAZARDS.....None. Combustible requiring the  
above procedures.

### 5. HEALTH EFFECTS DATA

#### SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY.....Skin absorption, Inhalation, Ingestion, Eye contact,  
Skin contact  
HEALTH HAZARDS  
(ACUTE AND CHRONIC).....Irritated eyes, mucous membranes. No residual effects of  
acute properties. Ingestion: LD50= 12.2cc/kg (mice).

MEDICAL CONDITIONS GENERALLY  
AGGRAVATED BY EXPOSURE.....Preexisting skin, eye and respiratory disorders may be  
aggravated by exposure.

#### FIRST AID PROCEDURES

EYE CONTACT.....Tearing from eye irritation. Remove to fresh air. Flush  
areas of contact with water. Adhesive will disassociate  
from eye/eyelids over time, usually within several  
hours. Temporary weeping of eyes/double vision  
may be experienced until clearance is achieved.

### 5. HEALTH EFFECTS DATA CON'T.

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  
in sensitive individuals.  
INGESTION.....Lips may become stuck together; apply copious amounts  
of warm water & encourage wetting/pressure from saliva  
inside mouth. Peel or roll (do not pull) lips apart. It is  
almost impossible to swallow cyanoacrylate as adhesive  
solidifies upon contact with saliva & may adhere to  
inside of mouth. Saliva will lift adhesive in 1-2 days,  
avoid swallowing adhesive after detachment.  
INHALATION.....Irritation of mucous membranes/coughing, remove to  
fresh air. Prolonged of repeated exposure at elevated  
levels may produce allergic reaction with asthma-like  
symptoms in sensitive individuals.

#### SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines).....Not currently on any lists.

### 6. REACTIVITY

STABILITY.....Stable under normal  
conditions.  
INCOMPATIBILITIES.....Polymerized by water, alcohol,  
amines, alkalines material and  
direct UV.  
HAZARDOUS DECOMPOSITION.....Combustible by-products of  
Carbon Dioxide and Carbon  
Monoxide.  
PRODUCTS.....Fumes may contain CO<sub>2</sub>, CO.  
HAZARDOUS POLYMERIZATION.....Will not occur under normal  
conditions.  
HAZARDOUS POLYMERIZATION CONDITIONS.....None known.

### 7. PRECAUTIONS FOR SAFE HANDLING & USE

PROTECTIVE EQUIPMENT  
REQUIREMENTS.....Safety glasses with side shield, Vinyl (polyethylene)  
non-sticking gloves, rubber apron to protect clothing.  
NIOSH approved organic vapor canister may be used  
to maintain vapor concentration below TLV.  
WASH REQUIREMENTS.....Soap & water helps remove adhesive from skin.  
SPILL OR LEAK PROCEDURES.....Polymerizes with water. Solid material may  
be scraped from surface.  
WASTE DISPOSAL METHODS.....Incinerate solid combustible waste or dump as  
chemical waste according to local, state, and federal  
regulations.  
HANDLING & STORAGE.....Wash thoroughly after handling. Keep away from  
heat, sparks, and flames. Store below 25°C.  
OTHER PRECAUTIONS.....Avoid breathing vapor, contact with eyes/skin.  
Allow product to reach room temperature before  
use.

### 8. ADDITIONAL INFORMATION

Use self-contained breathing apparatus if TLV limits are exceeded. Do not eat  
or smoke while using. Wash hands after use. Use positive pressure air supplied  
respirator if there is potential for uncontrolled release, if exposure levels are  
unknown, or in any circumstance where air purifying respirators may not provide  
adequate protection.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN  
APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH  
OTHER PRODUCTS. SUCH INFORMATION IS BASED UPON OUR RESEARCH  
AND ON DATA FROM OTHER RELIABLE SOURCES AND IS BELIEVED  
TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS  
THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT  
TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS  
AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR  
PURPOSES.

**KIMBALL  
MIDWEST**

Specializing in Materials Management since 1923