



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

Safety Data Sheet

Product Code: B-200-R, B-200-ES, B-200-30

Revision Date: 10 August 2020

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Daro Adhesives – Regular, Extra Strength, Hydrobond

Product Code B-200-R, B-200-ES, B-200-30

Intended Use(s) : For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

Factor II, Incorporated
5642 White Mountain Ave
PO Box 1339
Lakeside AZ 85929
928-537-8387
www.factor2.com
sales@factor2.com

EMERGENCY TELEPHONE NUMBERS

928- 368-7502

SECTION 2: HAZARD(S) IDENTIFICATION

PRODUCT NAME & CLASS: Water based acrylic emulsion

CHEMICAL TYPE: Residual monomers, acrylic polymer, ammonia and water

SECTION 3: HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV
Acrylic polymer CAS# NONHAZ 56-58%	N/E	N/E
Residual Monomers CAS# N/R <.1%Max	N/R	N/R
Aqua Ammonia CAS# 1336-21-6 .1%	25	25 ppm
Water CAS# 7732-18-5 NONHAZ 44-42%	N/E	N/E

SECTION 4: FIRST-AID MEASURES AND PRIMARY ROUTES OF ENTRY

INHALATION, EYE CONTACT, SKIN CONTACT

EYES: Flush with water for 15 minutes. Seek medical attention if irritation persists.



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

Safety Data Sheet

Product Code: B-200-R, B-200-ES, B-200-30

Revision Date: 10 August 2020

- SKIN:** Remove liquid from skin and wash with soap and water. Prolonged or repeated contact with liquid adhesives may cause skin irritation.
- INHALATION:** Irritation of mucous membranes of the nose, throat and respiratory tract and symptoms of headache and nausea. Remove overexposed person to fresh air.
- INGESTION:** Immediately drink water to dilute. Seek medical attention.

SECTION 5: FIRE-FIGHTING AND EXPLOSION HAZARD

- FLASH POINT:** Non Combustible
- AUTO IGNITION TEMP:** N/A
- UPPER / LOWER EXPLOSION LIMIT:** N/A
- UNUSUAL FIRE / EXPLOSION HAZARDS:**

Adhesive will not burn but may spatter if temperature is higher than boiling point of 212°F. Polymer solids can produce nitrogen and carbon gases on burning. Use extinguishing media appropriate for surrounding fire.

SECTION 6: HANDLING AND STORAGE

Keep from freezing: material may coagulate. Minimum and maximum storage temperature for this material is 34°F - 120°F

Keep people not involved with cleanup away, area may be slippery. Dike and contain large spills with inert material (sand, earth etc.). Transfer liquid to containers for recovery or disposal.

STORAGE: KEEP FROM FREEZING!!!!!!!!!!!!!! Adhesive may coagulate.

NOTE: Monomer vapors can evolve from adhesive if it is heated. In this case, use local exhaust ventilation with a minimum velocity of 100 ft/min at the point of monomer evolution. Refer to: Industrial Ventilation.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

- EYES:** Eye protection is suggested for compliance with good manufacturing practices.
- VENTILATION:** Mechanical local exhaust at point of contamination (vapor or mist) release.



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

Safety Data Sheet

Product Code: B-200-R, B-200-ES, B-200-30

Revision Date: 10 August 2020

OTHER PROTECTIVE EQUIPMENT: None required.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

FREEZING POINT:	0°C/32°F
BOILING POINT:	100°C/212°F
SPECIFIC GRAVITY (Density):	1-1.2
VAPOR PRESSURE:	17mmHg@20°C/68°F
SOLUBILITY IN WATER (By wt):	dilutable
APPEARANCE/ODOR:	Milky white liquid, slightly ammoniac
PERCENT VOLATILES: (By wt):	43% (water)
pH:	7.-8.5

SECTION 9: STABILITY AND REACTIVITY

STABILITY: Stable

MATERIALS/CONDITIONS TO AVOID: Avoid temperatures above 350°F, the onset of polymer decomposition.

HAZARDOUS DECOMPOSITION PRODUCTS:
Thermal decomposition may yield acrylic monomers. Thermal decomposition is dependent on time and temperature.

HAZARDOUS POLYMERIZATION: None

SECTION 10: TOXICOLOGICAL INFORMATION

The effects of overexposure (Section IV) are based on acute toxicity profiles for a number of acrylic emulsions, which are similar in composition to this adhesive.

Typical values are	Rat, oral LD50: >5000 mg/kg;
	Rabbit, dermal LD50: >5000 mg/kg.
	Rabbit, skin irritation: practically non-irritating.
	Rabbit, eye irritation: inconsequentially irritating.

SECTION 11: ECOLOGICAL INFORMATION

No applicable data



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

Safety Data Sheet

Product Code: B-200-R, B-200-ES, B-200-30

Revision Date: 10 August 2020

SECTION 12: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Coagulate emulsion with ferric chloride or sulfate and then lime to a clear end-point. Decant the clear liquid to sewer and coagulum to landfill guidelines as determined by federal, state and local agencies. Coagulum may be incinerated.

SECTION 13: TRANSPORT AND REGULATORY INFORMATION

US DOT Hazard Class: Nonregulated

This product is considered non-hazardous under the **OSHA Hazard Communication Standard (29CFR1910.1200)**

This product is not a controlled product under the **Canadian WHMIS**.

TSCA: All components of this product are registered under the regulation of the **Toxic Substance Act**.

SECTION 14: OTHER INFORMATION

Hazard ID

Health	1 - Slight
Flammability	0 - Minimal
Reactivity	0 - Minimal

PATENT WARNING:

Factor II Technology disclaims any expressed or implied warranty against the infringement of any patent. Factor II does not warrant that the use or sale of the products described herein will not infringe the claims of any U.S. patents or other country's patents covering the product itself or the use in combination with other products or in the operation of any process.

WARNINGS ABOUT PRODUCT SAFETY:

Factor II technology believes that the information and data contained herein is accurate and reliable; however, it is the user's responsibility to determine suitability and safety of use for these materials. Factor II cannot know the specific requirements of each application and hereby makes the user aware that it has not tested or determined that these materials are suitable or safe for any application. It is the user's responsibility to adequately test and determine the safety and suitability for their application. Factor II makes no warranty concerning fitness for any use or purpose. There has been no testing done by Factor II to establish safety of use in any medical application. Factor II has tested this material only to determine if the product meets the applicable specification. When considering the use a Factor II product in a particular application, you should review the latest Material Safety Data Sheets and contact Factor II for any questions about product safety information you may have.

IT IS RECOMMENDED THAT THE PURCHASER THOROUGHLY TEST ANY APPLICATION PRIOR TO FULL SCALE PRODUCTION OR COMMERCIALIZATION. INFORMATION CONTAINED IN THIS TECHNICAL PROFILE



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

Safety Data Sheet

Product Code: B-200-R, B-200-ES, B-200-30

Revision Date: 10 August 2020

SHOULD NOT BE TAKEN AS INDUCEMENT TO FRINGE ANY PATENT. FACTOR II WARRANTS ONLY THAT ITS PRODUCTS MEET ITS SPECIFICATIONS. THERE IS NO WARRANTY OF MERCHANTABILITY OF FITNESS FOR USE OR ANY OTHER WARRANTIES EXPRESS OR IMPLIED. FACTOR II MAKES NO GUARANTEE OF SATISFACTORY RESULTS

DISCLAIMER / STATEMENT OF LIABILITY:

This is to certify that the above designated material has been tested and did comply with the listed specifications (with listed exceptions) when supplied in original container. The material is subject to the conditions listed on the invoice. The above is a copy of information on file. The lot acceptance data are available for examination. This is a computer-generated document that is valid without a signature. The information above is supplied in good faith and, to the best of our knowledge, is based on available sources believed to be reliable and accurate. This document and any information provided herein are for your guidance only. The use by the requestor is beyond Factor II control; therefore, the responsibility for appropriate and safe use of the above information lies with the End user. Factor II shall not be responsible for any misuse and/or misapplication of the information in this document. Factor II is a distributor of this product not the manufacture. Factor II will warrant this product 6-months from the ship date, some restrictions apply.