

# NOCHAR'S A680 BIO-HAZ BOND FACT SHEET

Nochar's A680 Bio-Haz Bond is an environmentally friendly solidifier of bodily fluids (i.e., blood, urine and vomit). A680 Bio-Haz Bond is a dry granular material used to immobilize/stabilize bodily fluids and reduce the possibility of contamination and spread of infectious diseases by eliminating splashing, spilling and/or splatters.

## RECOMMENDED APPLICATION RATE:

The amount of product to be used for bonding bodily fluids will vary with the type of fluid. Some examples of bodily fluid bonding ratios are:

<u>BODILY FLUID</u>	<u>RATIO (BY WEIGHT)*</u>
BLOOD	18:1
URINE	21:1
VOMIT	15:1

\* Ratios established are for maximum bonding of bodily fluids. Greater ratios can be obtained depending on the degree of solidification required. If it is necessary only that the bodily fluid reach a gel consistency rather than a solidified bond, ratios of up to 80:1 are possible.

## TYPES OF BODILY FLUIDS BONDED BY A680 BIO-HAZ BOND:

Human blood, human blood components, products made from blood, urine, vomit, bodily fluids such as semen, vaginal secretions, cerebrospinal fluid, synovial fluid, pleural fluid, pericardial fluid, amniotic fluid, saliva in dental procedures, any bodily fluid that is visibly contaminated with blood, and all bodily fluids in situations where it is difficult to differentiate between bodily fluids.

## A680 BIO-HAZ BOND APPLICATION PROCEDURES

### ACCIDENTAL BODILY FLUID SPILLS:

As with any spill, containment is the key factor. A680 Bio-Haz Bond can bond and mobilize a bodily fluid spill immediately by applying the product to the leading edge of the spill. Total immobilization of the spill is completed by applying A680 Bio-Haz Bond over the surface of the spill. Once bonding has been completed, which takes place in seconds, the spill is scraped off the surface and placed into

a proper disposal bag. Suggested procedures for use of **A680 Bio-Haz Bond** are as follows:

- 1) PUT ON PROTECTIVE MASK AND GLOVES.
- 2) OPEN THE CONTAINER OF **A680 BIO-HAZ BOND**. STARTING FROM THE LEADING EDGE OF THE SPILL, APPLY **A680 BIO-HAZ BOND** TO THE SPILL. THIS WILL HELP TO DIKE AND CONTAIN THE SPILL. CONTINUE DISPENSING **A680 BIO-HAZ BOND** EVENLY OVER THE SURFACE OF THE SPILL. ALLOW TIME FOR THE SPILL TO SOLIDIFY.
- 3) USING DISPOSABLE SPATULAS, SCRAPE THE SOLIDIFIED SPILL INTO A PLASTIC BAG, DISCARDING DISPOSABLE SPATULAS INTO THE SAME BAG.
- 4) WIPE CONTAMINATED AREA WITH DISINFECTANT AND DISCARD TOWELS INTO PLASTIC BAG.
- 5) CLOSE BAG AND SEAL. PLACE BAG INTO APPROPRIATE CONTAINER.
- 6) REMOVE GLOVES CAREFULLY AND DISCARD INTO APPROPRIATE CONTAINER. AFTER WASHING HANDS WITH DISINFECTANT, DISCARD TOWELS AND DISPOSABLE FACE MASK INTO APPROPRIATE CONTAINER TIGHTLY CLOSE CONTAINER AND DISPOSE OF ACCORDING TO LOCAL, STATE OR FEDERAL REGULATIONS.

#### **HOSPITAL APPLICATION PROCEDURE:**

The following procedures were developed for the OPERATING ROOMS OF HOSPITALS where high volumes of bodily fluids are generated.

Typically, bodily fluids are collected in 3,000 cc canisters in OPERATING ROOMS. **A680 Bio-Haz Bond** can be added either before or after collection of fluids. However, **A680 Bio-Haz Bond** works much faster to stabilize fluids when applied to the collection canisters beforehand. Prior to the surgical procedure, apply around the complete perimeter of the canister. This will allow complete immobilization of the fluids as they are being dispensed into the canister. If more **A680 Bio-Haz Bond** is needed, simply apply it over the liquids in the canister. This procedure allows for immediate stabilization of bodily fluids and maintains the stabilization throughout the procedure. This allows quicker clean-up time afterward while minimizing potential worker exposure should a canister be knocked over or dropped during the procedure.

- 1) One ounce (28.3495 grams) of **A680 Bio-Haz Bond** placed within a bodily fluid

canister prior to a procedure will gel 2,600 cc's of BLOOD-URINE-SALINE (B.U.S.).

2) Pure saline requires more **A680 Bio-Haz Bond** for gelling. It may be necessary to use up to three ounces (85 grams) of **A680 Bio-Haz Bond** per 2,600 cc's of pure saline.

3) Clotted blood placed on top of **A680 Bio-Haz Bond** in a canister will prevent it from gelling liquids above it. A dark line of clotted blood will form directly above the granular **A680 Bio-Haz Bond**. If this occurs, simply add two to four ounces of product to the canister and slightly agitate it until gelled.

4) The greater the amount of tissue collected in the canister, the more **A680 Bio-Haz Bond** will be required for solidification.

5) **A680 Bio-Haz Bond**, because of its low volumetric increase, does not cause problems with fluid input or output monitoring.

The widespread application of **A680 Bio-Haz Bond** in hospital environments include the following areas:

EMERGENCY ROOMS	OPERATING ROOMS	ANESTHESIOLOGY
INFECTION CONTROL	RESPIRATORY THERAPY	LABORATORIES
NURSES STATIONS	MORGUES	

#### **A680 BIO-HAZ BOND USERS:**

HOSPITALS	RETIREMENT HOMES	AMBULANCES
POLICE DEPTS.	TAXI CABS	SCHOOLS
FIRE DEPTS.	RESTAURANTS	NIGHT CLUBS
PUBLIC TRANSPORT	BLOOD BANKS	SPORT STADIUMS
AIRLINES	PUBLIC BUILDINGS	HOTELS
SHOPPING MALLS	MILITARY	DENTISTS
HEALTH CLUBS	DOCTORS' OFFICES	MEDICAL CLINICS
CORRECTIONAL INSTITUTIONS		NURSING HOMES
INDUSTRIAL FIRST AID STATIONS		

#### **A680 BIO-HAZ BOND PRODUCT SPECIFICATIONS:**

APPEARANCE: Dry granular white powder, pleasant pine fragrance

SPECIFIC GRAVITY: .82  
pH SPECIFICATION: Neutral  
WEIGHT BY VOLUME: One pound equals 34 cubic inches.  
One kilogram equals 1,225.76 cc's  
PICKUP RATIO: Varies with fluid picked up.  
TOXICITY: Non-toxic, non-hazardous  
STORAGE: Keep container sealed unless using; keep free of contamination.

PACKAGING: **A680 BIO-HAZ BOND 26-OUNCE BOTTLE**  
**A680 BIO-HAZ BOND 3.75# SHAKER**  
**A680 BIO-HAZ BOND BULK, 350 # per drum**  
**A681 BIO-HAZ BOND SPILL KITS**

**METHOD OF DISPOSAL:**

Extreme caution must be exercised when handling, storing and disposing of solidified or gelled hazardous materials. **COMPLIANCE:** Solidified or gelled materials must be disposed of in accordance with federal, state and local laws and regulations. The user is solely responsible for compliance with disposal laws and regulations. The manufacturer or seller assumes no responsibility for the proper disposal of solidified or gelled materials.

**APPROVAL FOR INCINERATION:**

**A680 BIO-HAZ BOND** is **CERTIFIED INCINERABLE** by **SCIENTIFIC ECOLOGY GROUP (S.E.G.)**. For more information on this certification, contact Nochar's corporate office at 317-573-4860.