

**PRODUCT NAME:** ABRO Chamois Embossed Cloth Large  
New Generation (17" x 13") Russian  
**PRODUCT NUMBER/SIZE:** CH-555-R

**Revision Date:** 07/11/15

## SECTION 1 Identification of the Substance and of the Company/Undertaking

**MANUFACTURER'S NAME:** ABRO INDUSTRIES, INC.  
**ADDRESS:** 3580 Blackthorn Court  
South Bend, IN 46628  
USA  
**PRODUCT DESCRIPTION:** Chamois Cloth  
**COMPANY PHONE:** 574-232-8289  
**EMERGENCY 24-HR TELEPHONE:** Chemtrec: US/Canada 1-800-424-9300  
International +1-703-527-3887

## SECTION 2 Hazards Identification

**Classification:**

**Label Pictogram(s):**

None

**Signal Word:** None

**Hazard Phrases:** None

**Precautionary Phrases:** None

**Storage / Disposal:** None

**Other:** Keep out of reach of children.

**POTENTIAL ACUTE HEALTH EFFECTS:**

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

**POTENTIAL CHRONIC HEALTH EFFECTS:**

**CARCINOGENIC EFFECTS:** 3 (Not classifiable for human) by IARC

**MUTAGENIC EFFECTS:** Not available.

**TERATOGENIC EFFECTS:** Not available.

**DEVELOPMENTAL TOXICITY:** Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

**SECTION 3**  
**Composition/Information on Ingredients**

<b><u>COMPONENTS</u></b>	<b><u>CAS Number</u></b>	<b><u>Percent by weight</u></b>
Polyvinyl Alcohol	9002-89-5	100

**SECTION 4**  
**First Aid Measures**

**EYE CONTACT:**

Immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Seek medical attention if irritation occurs.

**SKIN CONTACT:**

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**SERIOUS SKIN CONTACT:** Not available.

**INHALATION:**

Allow the victim to rest in a well ventilated area. Seek immediate medical attention. If breathing is difficult, give Oxygen. Get medical attention.

**SERIOUS INHALATION:** Not available.

**INGESTION:**

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**SERIOUS INGESTION:** Not available.

**SECTION 5**  
**Fire Fighting Measures**

**FLAMMABILITY OF THE PRODUCT:** May be combustible at high temperature.

**AUTO-IGNITION TEMPERATURE:** Not available.

**FLASH POINTS: OPEN CUP:** 79.44oC (175oF)

**FLAMMABLE LIMITS:** Not available.

**PRODUCTS OF COMBUSTION:** These products are carbon oxides (CO, CO2).

**FIRE HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES:** Flammable in Presence of mechanical impact: not available Slightly explosive in presence of open Flames and sparks.

**EXPLOSION HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES:**

**RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF MECHANICAL IMPACT:** Not available.

RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF STATIC DISCHARGE: Not available.

**FIRE FIGHTING MEDIA AND INSTRUCTIONS:**

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

SPECIAL REMARKS ON FIRE HAZARDS: Not available.

SPECIAL REMARKS ON EXPLOSION HAZARDS: Fine dust dispersed in air in Sufficient concentrations, and in the presence of an ignition source is a potential dust Explosion hazard.

## SECTION 6 Accidental Release Measures

**SMALL SPILL:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**LARGE SPILL:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## SECTION 7 Handling and Storage

**PRECAUTIONS:**

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

**STORAGE:**

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

## SECTION 8 Exposure Controls/Personal Protection

**ENGINEERING CONTROLS:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**PERSONAL PROTECTION:**

Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**PERSONAL PROTECTION IN CASE OF A LARGE SPILL:**

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

EXPOSURE LIMITS: Not available.

## SECTION 9 Physical and Chemical Properties

**PHYSICAL STATE AND APPEARANCE:** Solid.

**ODOR:** odorless

**TASTE:** Not available.

**COLOR:** Off-white.

**MOLECULAR WEIGHT:** (44.05)n g/mole

**pH (1% SOLN/WATER):** Not available.

**BOILING POINT:** Not available.

**MELTING POINT:** Softens at about 200°C with decomposition. Decomposition @ 228 deg. C.

**CRITICAL TEMPERATURE:** Not available.

**SPECIFIC GRAVITY:** 1.19-1.31 (Water=1)

**VAPOR PRESSURE:** Not applicable.

**VAPOR DENSITY:** Not available.

**VOLATILITY:** Not available.

**ODOR THRESHOLD:** Not available.

**WATER/OIL DIST. COEFF.:** Not available.

**IONICITY (IN WATER):** Not available.

**DISPERSION PROPERTIES:** Not available.

**SOLUBILITY:** Soluble in cold water, hot water. Insoluble in diethyl ether, acetone, Petroleum solvents, aromatic hydrocarbons, esters. Practically insoluble in animal and vegetable oils and chlorinated hydrocarbons.

## SECTION 10 Stability and Reactivity

**STABILITY:** The product is stable.

**INSTABILITY TEMPERATURE:** Not available.

**CONDITIONS OF INSTABILITY:** Heat, ignition sources, flame, excess dust generation, incompatible materials.

**INCOMPATIBILITY WITH VARIOUS SUBSTANCES:** Reactive with oxidizing agents, metals acids, alkalis.

**CORROSIVITY:** Non-corrosive in presence of glass.

**SPECIAL REMARKS ON REACTIVITY:** Not available.

**SPECIAL REMARKS ON CORROSIVITY:** Not available.

**POLYMERIZATION:** Will not occur.

## SECTION 11 Toxicological Information

**ROUTES OF ENTRY:** Ingestion. Inhalation

**TOXICITY TO ANIMALS:**

LD50: : 14700 mg/kg {Mouse}

LC50: Not available.

**CHRONIC EFFECTS ON HUMANS:** Not available.

**OTHER TOXIC EFFECTS ON HUMANS:** Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.

**SPECIAL REMARKS ON TOXICITY TO ANIMALS:** Not available.

**SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS:** Not available.

**SPECIAL REMARKS ON OTHER TOXIC EFFECTS ON HUMANS:** Slightly Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

## SECTION 12 Ecological Information

**ECOTOXICITY:** Ecotoxicity in water (LC50) : 10000mg/l/96 hours {Bluegill Sunfish}  
>40000 mg/l 96 hours {Fathead Minnow}.

**BOD5 AND COD:** Not available.

**PRODUCTS OF BIODEGRADATION:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**TOXICITY OF THE PRODUCTS OF BIODEGRADATION:** The products of degradation are not toxic.

**SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION:** Not available.

## SECTION 13 Disposal Considerations

**WASTE DISPOSAL:** Recycle to process, if possible. Consult you local or regional authorities.

## SECTION 14 Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

**U.S. DOT** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**IMO/IMDG** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**ICAO/IATA** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard Class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**Canada  
(TDG)** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**Europe  
(ADR/RID)** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

## SECTION 15 Regulatory Information

FEDERAL AND STATE REGULATIONS:  
TSCA 8(b) INVENTORY: Polyvinyl alcohol  
OTHER REGULATIONS: Not available.  
OTHER CLASSIFICATIONS:  
WHMIS (CANADA): Not controlled under WHMIS (Canada).  
DSCLA (EEC): This product is not classified according to the EU regulations.

HMIS (U.S.A.):  
HEALTH HAZARD: 1  
FIRE HAZARD: 2  
REACTIVITY: 0  
PERSONAL PROTECTION: E

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)  
HEALTH: 0  
FLAMMABILITY: 2  
REACTIVITY: 0  
SPECIFIC HAZARD:

PROTECTIVE EQUIPMENT:  
Gloves.  
Lab coat.  
Dust respirator. Be sure to use an approved/certified  
respirator or equivalent.  
Safety glasses.

## SECTION 16 Other Information

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no

representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"

BT="BETWEEN"

<="LESS THAN"

>="GREATER THAN"

ND = Not Determined

NA = Not Applicable