

**MATERIAL SAFETY DATA SHEET****CHEMICAL IDENTITY** Acetic acid solution**1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

PRODUCT NAME: Ponceau-S staining solution  
PRODUCT CODE: BCL-PSS-01  
CHEMICAL IDENTIFICATION: Acetic acid  
CONTENT IN THE PRODUCT: below 5 %  
RECOMMENDED USE: Protein staining in transferred membrane  
MANUFACTURER : Beacle Inc.  
SUPPLIER : Beacle Inc.  
Address: 25-10 Kamikazan-Sakajiri, Yamashina-ku, Kyoto, Japan  
Tel: +81-75-582-8505  
Fax: +81-75-582-6055  
Emergency: +81-75-582-8505  
technical-support@beacle.com

(THE BELOW DESCRIPTION IS BASICALLY APPLIED TO 10% GLUTARALDEHYDE SOLUTION)

**2. HAZARDS IDENTIFICATION**

CLASSIFICATION: EC: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
Not a hazardous substance or mixture according to EC directives 67/548/EEC or 1999/45/EC.  
GHS: Not classified  
not applicable  
HAZARD SYMBOL :  
HAZARD STATEMENTS : no data available  
PRECAUTIONARY STATEMENTS : Avoid contact with skin.  
Avoid release to the environment.  
Wear protective gloves/eye protection/face protection.  
If in eyes rinse cautiously with water for several minutes. Consult a physician.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL IDENTITY : Acetic acid less than 5%  
FORMULA : C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>  
MOLECULAR WEIGHT : 60,05  
CAS NUMBER : 64-19-7

**4. FIRST AID MEASURES**

GENERAL ADVICE : Consult a physician. Show this safety data sheet to the doctor in attendance  
INHALATION : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
SKIN CONTACT : Wash off with soap and plenty of water. Consult a physician.  
EYE CONTACT : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
INGESTION : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**5. FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA : Suitable extinguishing media  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide  
Special hazards arising from the substance or mixture : Carbon oxides  
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS : Wear self-contained breathing apparatus for firefighting if necessary.

**6. ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS : Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.  
ENVIRONMENTAL PRECAUTIONS : Do not let product enter drains  
METHODS FOR CLEANING UP : Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

PRECAUTION FOR SAFE HANDLING : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
For precautions see section 2.2  
CONDITIONS FOR SAFE STORAGE : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING MEASURES : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and  
INDIVIDUAL PROTECTION MEASURES ;  
Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

Body Protection	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Eye protection :	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)
Skin protection :	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it
CONTROL PARAMETER :	Components with workplace control parameters

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
APPEARANCE :	Form: liquid Colour: colourless
ODOUR :	no data available
pH :	no data available
MELTING POINT :	no data available
INITIAL BOILING POINT :	no data available
FLASH POINT :	no data available
FLAMMABILITY (solid, gas) :	no data available
EXPLOSIVE LIMITS :	no data available
VAPOR PRESSURE :	no data available
SPECIFIC GRAVITY :	no data available
WATER SOLUBILITY:	no data available
PARTITION COEFFICIENT :	no data available
AUTOIGNITION TEMPERATURE :	no data available
DECOMPOSITION TEMPERATURE :	no data available
OXIDATIVE PROPERTY	no data available
EXPLOSIVE PROPERTY	no data available

<b>10. STABILITY AND REACTIVITY</b>	
CHEMICAL STABILITY :	Stable under recommended storage conditions
POSSIBILITY OF HAZARDOUS CONDITIONS TO AVOID :	no data available
INCOMPATIBLE MATERIALS :	no data available
HAZARDOUS DECOMPOSITION	no data available

<b>11. TOXICOLOGICAL INFORMATION</b>	
ACUTE TOXICITY(oral/dermal/inhalation) :	no data available
SKIN CORROSION/IRRITATION :	no data available
EYE DAMAGE/EYE IRRITATION :	no data available
RESPIRATORY OR SKIN SENSITIZATION :	no data available
GERM CELL MUTAGENICITY :	no data available
TOXIC TO REPRODUCTION :	no data available
CARCINOGENICITY :	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ADDITIONAL INFORMATION ;	
RTECS:	not available

<b>12. ECOLOGICAL INFORMATION</b>	
ECOTOXICITY :	no data available
PERSISTENCE AND DEGRADABILITY :	no data available
BIOACCUMULATION POTENTIAL :	no data available
MOBILITY IN SOIL :	no data available
OTHER ADVERSE EFFECTS :	no data available

<b>13. DISPOSAL CONSIDERATION (INCLUDING CONTAINER)</b>	
Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product.

<b>14. TRANSPORT INFORMATION</b>	
UN NUMBER :	ADR/RID: - IMDG: - IATA: -
UN PROPER SHIPPING NAME :	ADR/RID: non dangerous good IMDG: non dangerous good IATA: non dangerous good
CLASS or DIVISION :	ADR/RID: - IMDG: - IATA: -
PACKING GROUP :	ADR/RID: - IMDG: - IATA: -

ENVIRONMENTAL HAZARDS :           ADR/RID: no  
  IMDG Marine pollutant:no  
  IATA: no

**15. REGULATORY INFORMATION**

US REGULATIONS ;

EU REGULATIONS:

    This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

Safety, health and environmental regulations/legislation specific for the substance or mixture

    no data available

Chemical Safety Assessment

    For this product a chemical safety assessment was not carried out

**16. OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS**

No specific notes

The information described above is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. The product should be used by expert persons having knowledge and skill with their own risk. Beacle shall not be held liable for any damageresulting from handling or from contact with the above material.