

MATERIAL SAFETY DATA SHEET

SmithKline Beecham

WEAN VAC 3

MSDS NUMBER: 10000543

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

SUBSTANCE/PREPARATION: WEAN VAC 3
CHEMICAL FAMILY: Bacterin vaccine.
COMPANY: SMITHKLINE BEECHAM ANIMAL HEALTH
1600 PAOLI PIKE
WEST CHESTER, PA 19380
PHONE: 1-800-733-5500
EMERGENCY AND AFTER HOURS CONTACT:
HAZARD INFORMATION SERVICES
ST. PAUL-RAMSEY MEDICAL CENTER
640 JACKSON STREET, ST. PAUL, MN 55101
PHONE: 1-800-228-5635

2. COMPOSITION/INFORMATION ON INGREDIENTS

Table with 3 columns: INGREDIENTS, CAS REGISTRY NO, PERCENT. Rows include Sterile water, Other non-hazardous ingredients, Aluminum hydroxide gel, Bordetella bronchiseptica-killed culture, Erysipelothrix rhusiopathiae-killed culture, Actinobacillus pleuropneumoniae-killed culture, and Formaldehyde.

CONTAMINANTS: No significant hazardous contaminants.

3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE: AVOID ACCIDENTAL INNOCULATION, eye contact, skin contact, ingestion, breathing dust.
SKIN CONTACT: Potential to produce allergic skin reaction is not known. Symptoms such as itching, redness or swelling might be immediate or delayed.
EYE CONTACT: Irritation is not expected. However, eye contact should be avoided.
INHALATION: Inhalation should not occur with normal use of this material. Repeated breathing of mist might produce an allergic reaction.
INGESTION: Toxicity following ingestion is not expected. However, ingestion should be avoided.
CONDITIONS AGGRAVATED BY EXPOSURE: None known.

4. FIRST-AID MEASURES

SKIN CONTACT: Remove contaminated clothing and flush exposed area with large amounts of water. Obtain medical assistance if skin reaction occurs, which may be immediate or delayed.
NOTE TO PHYSICIAN: None.
EYE CONTACT: Flush eyes continuously with water for at least 15 minutes and obtain medical assistance.
NOTE TO PHYSICIAN: None.
INHALATION: Move exposed subject to fresh air. Seek medical assistance in case of known or possible over exposure to this material or with symptoms including chest pain, difficulty breathing, loss of consciousness or other adverse effects which may be delayed. IF BREATHING HAS STOPPED, START BASIC LIFE SUPPORT AND SEEK IMMEDIATE MEDICAL ASSISTANCE.
NOTE TO PHYSICIAN: For combustion products, refer to section number 5.

INGESTION: In the event of swallowing this material, seek immediate medical assistance.
NOTE TO PHYSICIAN: This material is not a corrosive agent.
ANTIDOTES: None known.

5. FIRE-FIGHTING MEASURES

FIRE CONTROL: This material is not expected to support combustion. Toxic or corrosive gases are expected during a fire or heating of this material.
SPECIAL FIREFIGHTING PROCEDURES: Toxic or corrosive gases are expected in fires involving this mixture. Self-contained breathing apparatus and full protective equipment are recommended for firefighters. Move containers from fire area if possible without increased personal risk. Dike area if possible to contain water for later disposal.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: No special procedures required for small spills. For large spills, wear protective clothing and equipment consistent with the degree of hazard. Spread a suitable inert, absorbent on the spillage then carefully scoop up the spillage and place in a suitable, properly labeled container for recovery or disposal. Take care to avoid excessive mist during cleanup. Wash down spillage area with copious amounts of water. This must only be undertaken if waste water can be directed to an on-site waste water treatment system. Do not allow this material to enter surface drainage systems.
DECONTAMINATION PROCEDURES: Water can be used for clean-up and decontamination operations. No specific detoxification procedures have been identified for this substance.

7. HANDLING AND STORAGE

HANDLING: No special handling precautions necessary.
STORAGE: Follow product information storage instructions to maintain efficacy. Do not freeze. No other storage requirements are necessary concerning occupational hazards.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS:
FORMALDEHYDE:
UNITED KINGDOM (HSE):
2 PPM (2.5 MG/M3) 8 HR TWA MEL
2 PPM (2.5 MG/M3) 10 MIN STEL MEL
UNITED STATES (ACGIH):
0.3 PPM (0.37 MG/M3) ACGIH CEILING ACGIH A2-SUSPECTED HUMAN CARCINOGEN.
UNITED STATES (OSHA):
0.75 PPM OSHA TWA
2 PPM OSHA 15 MINUTE STEL
0.5 PPM OSHA ACTION LEVEL
OTHER:
0.016 PPM NIOSH RECOMMENDED TWA
0.1 PPM NIOSH RECOMMENDED 15 MIN. CEILING
0.5 PPM (0.6 MG/M3) DFG MAK TWA
1 PPM (1.2 MG/M3) DFG MAK 5 MINUTE PEAK, MOMENTARY VALUE, 8 TIMES/SHIFT
INDUSTRIAL HYGIENE METHOD: For SmithKline Beecham operations, contact the site Occupational or Industrial Hygienist or regional Corporate health and safety group, as appropriate, for advice on suitable monitoring methods.
For other operations, industrial hygiene monitoring advice may be obtained from the health and safety group identified in section 1.

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PERSONAL PROTECTION:

RESPIRATORS: Respirators are not required for the normal use of this material.
 GLOVES: Wear latex or other impervious gloves if skin contact is possible.
 EYE PROTECTION: Wear safety glasses with sideshields if eye contact is possible.
 HYGIENE PRACTICES: Wash hands and arms thoroughly after handling this material. Clean up spills immediately.
 OTHER PROTECTIVE EQUIPMENT: Wear protective clothing with long sleeves to avoid routine skin contact.

 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid solution.
 FLASH POINT: Non flammable.
 AUTOIGNITION TEMP: Not determined.
 LOWER EXPLOSIVE LIMIT: Not applicable.
 UPPER EXPLOSIVE LIMIT: Not applicable.
 MELTING POINT: Expected to melt at approximately 0 degrees C, although the temperature may be lowered based on the properties of the individual components.
 BOILING POINT: Expected to boil at approximately 100 degrees C, although the temperature may be altered based on the properties of the individual components.
 VAPOUR DENSITY: Expected to be negligible.
 VAPOUR PRESSURE: Expected to be negligible.
 EVAPORATION RATE: Expected to be negligible.
 VOLATILE COMPONENTS (%): Less than 98%.
 VISCOSITY: Not determined.
 PH OF AQUEOUS SOLUTIONS: Expected to be approximately neutral.
 RELATIVE DENSITY: Approximately 1 (water = 1).
 CONDUCTIVITY: Not determined.
 OCTANOL/WATER DISTRIBUTION COEFFICIENT: Not determined.
 DISSOCIATION CONSTANT (pKa): Not determined.
 SOLUBILITY: Components are soluble in water.
 OXYGEN BALANCE: Not applicable for mixtures.
 TRAIN FIRE TEST: Not applicable for liquid mixtures.
 DUST EXPLOSIVITY: Not applicable for liquid mixtures.
 DUST ELECTRICAL PROPERTIES: Not applicable for liquid mixtures.

 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid freezing and storage at temperatures greater than 7 degrees C.
 INCOMPATIBILITY: This material can be denatured or inactivated by a variety of organic solvents, salts or heavy metals.
 STABILITY: This mixture is stable.
 HAZARDOUS POLYMERIZATION: Not expected.
 HAZARDOUS DECOMPOSITION PRODUCTS: None expected under normal conditions.
 FIRE AND EXPLOSION HAZARDS: This material is non flammable.

 11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY: Not determined for this mixture. Toxicity is not expected following ingestion.
 INHALATION TOXICITY: Not determined for this mixture.
 SKIN IRRITATION: Not determined for this mixture. However, irritation is not expected based on effects of individual components.
 EYE IRRITATION: Not determined for this mixture. However, irritation is not expected based on effects of individual components.
 SENSITIZATION: Sensitization (allergic skin reaction) might occur, based on effects of individual components.
 MUTAGENICITY: Not determined for this mixture.

CARCINOGENICITY: Formaldehyde is a category 2 (animal) carcinogen according to SB criteria and is listed as a carcinogen by NTP and US OSHA. No other components in this mixture are listed as carcinogens by SB, IARC, NTP or US OSHA.
 REPRODUCTIVE EFFECTS: Not determined for this mixture.
 OTHER EFFECTS: This mixture contains a bacterin vaccine for use in swine.

 12. ECOLOGICAL INFORMATION

Not determined.

 13. DISPOSAL CONSIDERATIONS

Observe all local and national regulations when disposing of this mixture. For large quantities, dispose of waste on site in a biomedical incinerator if allowed by the incinerator permit. If no on-site incinerator is available, dispose of waste in a licensed biomedical incinerator.

 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not applicable.
 TECHNICAL NAME (for n.o.s.): Not applicable.
 UN/IDENTIFICATION NUMBER: Not applicable.
 FOR AIR TRANSPORT (IATA REQUIREMENTS): Not applicable. Non-hazardous according to IATA requirements.
 FOR MARITIME TRANSPORT (IMDG REQUIREMENTS): Not applicable. Non-hazardous according to IMDG requirements.
 FOR UNITED STATES GROUND TRANSPORT (DOT REQUIREMENTS): Not applicable. Non-hazardous according to US DOT requirements.
 FOR EUROPEAN GROUND TRANSPORT (ADR/RID/ROAD/RAIL REQUIREMENTS) AND EMERGENCY INFORMATION: Not applicable. Non-hazardous according to ADR/RID requirements.

 15. REGULATORY INFORMATION

EUROPEAN UNION CLASSIFICATION AND LABELLING REQUIREMENTS: No European Union labelling requirements.

 16. OTHER INFORMATION

HAZARD LABEL:
 **** NON FLAMMABLE ****
 **** NO HEALTH HAZARD IDENTIFIED ****
 ** TARGET ORGAN- NO SPECIFIC TARGET ORGAN EFFECTS KNOWN.
 ** SYMBOL: NOT REQUIRED.
 REFERENCES: APHIS Code Number 2105.00w
 OTHER INFORMATION: If HMIS Ratings are used at your site, use the following:
 HEALTH: 0
 FIRE: 0
 REACTIVITY: 0

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