



Identity: "NO SWEAT VALVE WRAPS"
U.S. Patent: #6907907
Sheet ID: NS 2006

Material Safety Data Sheet

Section 1 - Manufacturer's Name: "NO SWEAT" - Reusable Valve Wraps

NO SWEAT™ - Reusable Valve Wraps
P.O. Box 420
Newark, Delaware 19715-0420
www.ValveWraps.com
Phone: 800-416-4610 • Fax: 302-731-0932

Chemical Product / Company Identification

Tychem® QC consists of a durable Tyvek® substrate quality - coated with polyethylene. Rugged and durable, Tychem® QC is a tough barrier fabric that resists punctures and tears. Tychem® QC remains flexible in cold temperatures as well as a wide range of upper level temperatures. Tychem® QC is the only polyethylene coated fabric backed by DuPont quality standards. Impermeable to water. Documentation is also available upon request from NO SWEAT or via www.ValveWraps.com on how Tychem® QC performs against over 80 plus other chemicals.

Die cut fiber glass insulation inserts - supplied by Owens Corning - 419-248-5694, CertainTeed Corp. - 610-341-7000, Knauf Insulation - 317-398-4434, Johns Manville - 303-978-4900, or Manson Insulation Corporation - 450-659-9101.

Product Name: Fiber Glass Wool Insulation
CAS#: Not applicable
Generic Name: Fiber Glass Wool Product
Formula: Not Available
Chemical Name: Mixture
Hazard Label: FGW-01 or FGW-01-HT or FGW-01-1099 or L1009

Company Identification

Manufacturer of Tychem® QC
DuPont
1007 Market Street • Wilmington, Delaware 19898

Phone Numbers

Product Information: 1-800-441-7515 - Outside the United States # 302-774-1000
Transport Emergency: Chemtrec 1-800-424-9300 - Outside the U.S. # 703-527-3887
Medical Emergency: 1-800-441-3637 - Outside the United States # 302-774-1000

Section 2 - Composition /Information on Ingredients

Components

Material - CAS Number - 9002-88-4 - 100%
High Density Polyethylene Fiber coated with a low Density Polyethylene Polymer
CAS # 65997-17-3 - Fiber Glass Wool - Percent - 50-98

The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

Section 3 - Hazards Identification

Emergency Overview

Polyethylene may be categorized as essentially non-toxic and the added coating would be very low in toxicity in the finished product. The nature of the product makes either ingestion or inhalation highly improbable. Eye contact will produce a mechanical irritation like any foreign object. Skin contact would be non-hazardous.

Fiber Glass Wool - Appearance and odor: Yellow- Pink - White fibrous glass blanket insert or formed shape without facings. No significant odor.

Products designed for high temperature applications (above 177° C /350° F) may release gases irritating to the eyes, nose and throat during initial heat-up. In tightly confined or poorly ventilated areas, use air supplied respirators during the first heat-up cycles.

Inhalation of excessive amounts of dust from the product may cause temporary upper respiratory irritation and/or congestion — if so, remove individual to fresh air environment.

Potential Health Effects

Summary

Breathing dust from this product may cause a scratchy throat, congestion, and slight coughing. When subjected to high heat and humidity, this product may release formaldehyde gas. Formaldehyde may cause skin or respiratory sensitization (allergy).

HMIS (Hazardous Materials Information System) ratings for Health - Flammability - Physical Hazard * 1-0-0

Inhalation

Irritation of the upper respiratory tract (scratchy throat), coughing and congestion may occur in extreme exposures.

Skin

Temporary irritation (itching) or redness may occur.

Ingestion

This product is not intended to be ingested (eaten). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

Ears

Temporary irritation (itching) or redness may occur.

Target Organs

Nose (nasal passages), throat, lungs, skin, eyes.

Medical Conditions Aggravated by Exposure

Pre-existing chronic respiratory, skin, or eye diseases or conditions.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

Section 4 - First Aid Measures

First Aid: Inhalation

Remove to fresh air. Drink water to clear throat, and blow nose to remove dust.

First Aid: Skin

Wash gently with soap and warm water to remove dust. Wash hands before eating or using the restroom.

First Aid: Ingestion

Rinse mouth with water to remove fibers or dust, and drink plenty of water to help reduce the irritation. No chronic effects are expected following ingestion.

First Aid: Eye Contact

Mechanical irritation - remove particle. Do not rub or scratch your eyes. Flush eyes with large amounts of clean water for 5 - 15 minutes. Seek medical help if irritation persists.

First Aid: Ears

Do not rub or scratch the ear if itching occurs. Wash gently with soap and warm water to remove dust or fibers.

Section 5 - Fire Fighting Measures

Flammable Properties

Flash Point: 330-365 degrees C. for parent polymer - coatings may decrease slightly.

Autoignition Temperatures: 625 - 660 degrees F. (330-350 degrees C)

When exposed to temperatures at or above its melting point of 275° F (135° C) Tychem® QC tends to shrink away from the heat source, if the heat source reaches the auto ignition temperature of 750° F (400° C) - Tychem* QC will burn.

DuPont Tychem® QC is rated "Class 1 - normal flammability."

Gases/vapors produced in fire from complete combustion of Tychem® QC are CO₂ and water.

Incomplete combustion yields hazardous gases/vapors including CO, acrolein, other aldehydes, ketones, fatty acids and short chain hydrocarbons.

Hazardous gases/vapors produced in fire are CO, CO₂, acrolein, other aldehydes, flammable hydrocarbons,

Fire and Explosion Hazards:

Fiber Glass Wool Inserts

Flash Point: Not applicable

Method Used: Not applicable

Upper Flammable Limit (UFL): Not applicable

Lower Flammable Limit (LFL): Not applicable

Flammability Classification: Not determined

Auto Ignition: Not determined

Rate of Burning: Not determined

General Fire Hazards

There is no potential for spontaneous fire or explosion.

Extinguishing Media

Carbon dioxide (CO₂), water, water fog, dry chemical.

Fire Fighting Equipment/Instructions

No special procedures are expected to be necessary for this product. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.

NFPA Ratings for Health - Flammability - Reactivity are: 1 - 0 - 0

Extinguishing Media

Water, Water Fog, Foam, Dry Chemical, CO₂.

Fire Fighting Instructions

Wear self-contained breathing apparatus.

Section 6 - Accidental Release Measures
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Safeguards (Personnel)

Spill Clean up

Recover undamaged and minimally contaminated material for reuse and reclamation.

Accidental Release Measures

Material which is too contaminated for use should be containerized for disposal.

Containment Procedures

Pick up large pieces. Vacuum dusts. If sweeping is necessary, use a dust suppressant such as water. Avoid the generation of dusts during clean up.

Section 7 - Handling and Storage

Handling (Personnel)

Avoid contact with eyes.

Handling (Physical Aspects)

Keep away from direct heat, sparks and flames.

Storage

Material should be kept dry, and protected from moisture. Do not mix with strong oxidizing agents and strong acids. Do not store with strong oxidizing acids.

Protect product from damage during shipment and storage. Keep away from excessive heat and flames. Protect from exhaust gases from internal combustion engines, prolonged exposure will cause yellowing of outer wrap and edges.

Section 8 - Exposure Guidelines/Personal Protection

Applicable Exposure Limits

High Density Polyethylene Fiber

PEL (OSHA): None Established

TLV (ACGIH): None Established

AEL[®] (DuPont): 10 mg/m³, 8 & 12 Hr. TWA, total dust
5 mg/m³, 8 & 12 Hr. TWA, respirable dust.

Physical and Chemical Properties

Physical Data

Melting Point: - 135° C (-275° F) @ 760 mm Hg

% Volatiles: <0.1 WT% @ 25° C (77° F)

Solubility in Water: INSOLUBLE

Odor: Odorless

Form: Fabricated Valve Wraps or Rolls

Color: White, Gray, Black, Yellow

Specific Gravity: -1.0

Stability and Reactivity

Chemical Stability

Stable.

Aromatic hydrocarbons, gasoline, lubricating oils, halogenated hydrocarbons will soften and swell the base polymer.

Incompatibility with other Materials

Incompatible with strong oxidizing agents and strong acids.

Decomposition

Decomposition temperature : 335° C (635° F)

Hazardous gases/vapors produced are CO, CO₂, acrolein, other aldehydes, ketones and hydrocarbons.

Polymerization

Polymerization will not occur.

Ecological Information

Ecotoxicological Information

Aquatic Toxicity

Non- toxic — insoluble

Disposal Considerations

Waste Disposal

Treatment, Storage, Transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and local regulations.

Disposal off site by incineration or landfill in compliance with local, State and Federal regulations.

A. General Product Information

Fiber Glass Wool inserts, OSHA voluntary Health and Safety Partnership Program (HSPP): 1 f/cc TWA for fibers longer than 5 um with a diameter less than 3 um.

Protective equipment should be used as necessary to prevent irritation of the throat, eyes, and skin, and to keep exposures below the applicable exposure limits identified in Sect.8.

B. Component Exposure Limits

Fiber Glass Wool (65997-17-3)

ACGIH: 1 f/cc TWA (respirable fibers: length > 5um, aspect ratio equal to or greater than 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase - contrast illumination.)

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Safety glasses with sideshields are recommended to keep dust out of the eyes.

Personal Protective Equipment : Ears

Use ear protection (earplugs, hood, or earmuffs) to prevent airborne dust or fibers from entering the ear.

Personal Protective Equipment: Skin

Leather or cotton gloves can be worn to prevent skin contact and irritation. Barrier creams may also be used to reduce skin contact and irritation caused by fiber glass. Wear a cap, a loose fitting, long sleeved shirt and long pants to protect skin from irritation. Clothing should be washed separately from other clothes and the washer should be rinsed thoroughly (run empty for a complete wash cycle). This will reduce the chances of fiber glass being transferred to other clothing.

Section 9 - Toxicological Information

Acute Toxicity

General Product Information

Dust from this product is a mechanical irritant, which means that it may cause temporary irritation or scratchiness of the throat, and/or itching of the eyes and skin.

Products designed for high temperature applications (above 177° C/350° F) may release gases irritating to the eyes, nose and throat during initial heat-up. In tightly confined or poorly ventilated areas, use air supplied respirators during the first heat-up cycles.

The data in this Material Safety Data Sheet relates only to the specific material designated herein. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.