

# Material Safety Data Sheet

## Tubolit Insulation

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### I. PRODUCT IDENTIFICATION

Name: Tubolit, Tubolit SS and TUBOLIT W SS Insulation.  
Description: Expanded, closed-cell polyethylene compound. Available in various sizes and in several forms; e.g., pipe insulation.

### II. DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping name: Not classified. Hazard Class: N/A ID # N/A

### III. HMIS (0 = minimal hazard; 4 = severe hazard)

Health = 0 Flammability = 1 Reactivity = 0

### IV. PRODUCT CONTENT

This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200©. They are formed to a specific shape or design during manufacture, has end use functions dependent upon their shape and design, and does not release any hazardous chemical under normal conditions of use. This product does NOT contain asbestos or polychlorinated biphenyls.

### V. HAZARDOUS INGREDIENTS

#### (Chemical Identity; Common Name)

Isobutane

#### C.A.S. No.

75-20-5

#### %

0 – 10%

#### OSHA PEL

#### ACGIH TVL

800 ppm TWA

### VI. PHYSICAL DATA

APPEARANCE AND COLOR: Black or White. BOILING POINT (°F): N/A. VAPOR PRESSURE (mm Hg @ 20°C): N/A. VAPOR DENSITY (Air = 1): N/A. SOLUBILITY IN WATER: N/A. SPECIFIC GRAVITY (H<sub>2</sub>O=1): N/A. PERCENT VOLATILE BY WEIGHT (30 min.@275°F): N/A. EVAPORATION RATE (Butyl Acetate=1) : N/A. pH: N/A VOC: N/A.

### VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT Isobutane 117°F. RANGE: LEL = 1.6% by volume. UEL = 8.4% by volume. EXTINGUISHING MEDIA: Water. SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus.

### VIII. HEALTH HAZARD DATA

PRIMARY ROUTE (S) OF ENTRY: N/A. TARGET ORGANS: N/A. EFFECTS OF OVEREXPOSURE: SKIN AND EYES: N/A. INHALATION: N/A. CARCINOGENICITY: NTP: No IARC Monographs: No OSHA Regulated: No. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE N/A. FIRST AID PROCEDURES: SKIN AND EYES: N/A. INHALATION N/A. INGESTION N/A.

### IX. REACTIVITY DATA

STABILITY N/A. INCOMPATIBILITY: N/A. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide HAZARDOUS POLYMERIZATION: N/A.

### X. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED N/A. WASTE DISPOSAL METHOD: Dispose of container and any unused contents in accordance with Federal, State and Local Waste Disposal Regulations

### XI. SPECIAL HANDLING AND USE INFORMATION

VENTILATION: N/A. RESPIRATORY PROTECTION N/A. SKIN AND EYE PROTECTION: N/A.

### XII. SPECIAL PRECAUTIONS HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE, FLAMMABLE VAPORS OF ISOBUTANE MAY BE GENERATED DURING UNVENTILATED STORAGE OF LARGE AMOUNTS OF THIS PRODUCT (FOR EXAMPLE IN STORAGE TRAILERS)  
WARNING: TO PREVENT THE BUILD-UP OF FLAMMABLE VAPORS, DO NOT STORE LARGE QUANTITIES OF THIS PRODUCT IN UNVENTILATED SPACES.

TRANSPORT BULK SHIPMENTS OF THIS PRODUCT IN VENTILATED TRAILERS ONLY.

WARNING: TO PREVENT POTENTIAL FIRE OR EXPLOSION, DO NOT WELD OR APPLY INTENSE HEAT TO CLOSED CONTAINERS WHICH CONTAIN THIS PRODUCT. OPEN CLOSED CONTAINERS IN A WELL-VENTILATED AREA AWAY FROM SPARKS OR OPEN FLAMES.

WARNING: THIS PRODUCT IS COMBUSTIBLE AND SHOULD NOT BE EXPOSED TO SPARKS OR OPEN FLAMES. LARGE QUANTITIES OF THIS PRODUCT CAN BURN RAPIDLY AND RELEASE TOXIC GASES, INCLUDING CARBON MONOXIDE.

WARNING: FABRICATION METHODS INVOLVING CUTTING OF THIS PRODUCT MAY RELEASE ISOBUTANE REMAINING IN THE FOAM CELL STRUCTURE. PROVIDE ADEQUATE VENTILATION TO INSURE THAT THE ISOBUTANE CONCENTRATIONS REMAIN BELOW THE ACGIH THRESHOLD LIMIT VALUE. (TLV) OF 800 PPM AND LOWER FLAMMABLE LIMIT OF 1.8% IN AIR BY VOLUME TO PROTECT WORKERS AND ELIMINATE THE POSSIBILITY OF DEVELOPING FLAMMABLE OR HAZARDOUS CONCENTRATIONS.  
OTHER PRECAUTIONS: N/A. WORK SITE ENVIRONMENT: N/A.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

N/A -not applicable or not available

N/K – none known or not known