

Supplier:

Magnaloy Coupling Company
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SECTION I - PRODUCT IDENTIFICATION

CHEMICAL NAME: 1,4 Butanediol Hydro-W-Hydroxy Poly (Oxy 1,4 Butanediol)
TRADE NAME: Keyflex BT-1055D (Hytrex Polyester Elastomer)
FORMULA:
CAS NO: 37282-12-5
PHYSICAL FORM: Solid

SECTION II - COMPOSITION ON REGULATED INGREDIENTS

Material is not know to contain Toxic Chemicals under Section 313 of Title III of the superfund Amendments and Re-authorization Act of 1986 and 40 CFR part 372.

SECTION III - HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

Routes of Exposure: Inhalation, Ingestion, Skin Contact

Acute Exposure: Inhalation: Particulates, like other inert material can be mechanically irritating. In case of overheating, fumes may be irritating to the upper respiratory tract and lungs.
Ingestion: Low toxicity. Not a probable route of exposure.
Eyes: Particulates, like other inert material can be mechanically irritating. In case of overheating, fumes may be irritating to the eyes.
Skin: Experience shows no unusual dermatitis hazard from routine handling. Molten polymer will produce thermal burns.

Chronic Exposure: None known.

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 IV - FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist or in all cases of doubt, seek medical advice.

Ingestion: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. When symptoms persist or in all cases of doubt, seek medical advice.

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.

Skin: Wash off with soap and plenty of water. If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical treatment for thermal burns.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 330 - 390° C

FLAMMABLE LIMITS: LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: Water spray, dry powder, foam, carbon dioxide (CO₂).

SPECIAL FIRE FIGHTING PROCEDURES: Fullface self-contained breathing equipment used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Carbon monoxide (CO) and smoke is possible.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

Environmental precautions: Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.

Methods for cleaning up: Clean up promptly by sweeping or vacuum. Package all material in plastic, cardboard or metal containers for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

SECTION VII - HANDLING AND STORAGE

Handling: Take measures to prevent the build up of electrostatic charge. Heat only in areas with appropriate exhaust ventilation.

Storage: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: No personal respiratory protective equipment normally required when handling the product itself. See "Engineering Measures" section below for precautions to be taken when heating or processing this material.

Eye/Face Protection: Safety glasses with side-shields

Hand Protection: Protective gloves

Skin and Body Protection: Long sleeved clothing

Additional Protective Measures: None

General Hygiene Considerations: handle in accordance with good industrial hygiene and safety practice.

Engineering Measures: Heat only in areas with appropriate exhaust ventilation. Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid	Evaporation rate:	N/A
Appearance:	cylindrical part	Specific Gravity:	1.19 (H ₂ O = 1)
Color:	Blue/Green	Bulk density:	Not established
Odor:	None	Vapor pressure:	N/A
Melting Point:	150-225° C (302-437° F)	Vapor density:	N/A
Boiling Point:	N/A	pH:	N/A
Water Solubility:	Insoluble		

SECTION X - STABILITY AND REACTIVITY

Stability:	Stable at normal temperatures and storage conditions
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid:	Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.
Incompatible Material:	Incompatible with oxidizing agents
Hazardous decomposition:	Hazardous gases and vapors can be released, Carbon Dioxide, Carbon Monoxide, Hydrogen Bromide (minor), tetrahydrofuran (minor), and smoke are all possible.

SECTION XI - TOXICOLOGICAL INFORMATION

This material has not been evaluated as a whole for health effects.

SECTION XII - ECOLOGICAL INFORMATION

Aquatic Toxicity:	No information is available. Toxicity is expected to be low based on insolubility in water. Do not discharge to streams, ponds, lakes or sewers.
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SECTION XIII - DISPOSAL CONSIDERATIONS

Product:	Where possible recycling is preferred to disposal or incineration. This product has a high fuel value and incineration with energy recovery is desirable where recycling is not possible, but incinerator must be capable of scrubbing out acidic combustion products. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.
Contaminated packaging:	Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state and local regulations.

SECTION XIV - TRANSPORT INFORMATION

US DOT Classification:	Not Regulated
ICAO/IATA (air):	Not Regulated
IMO / IMDG (maritime):	Not Regulated

SECTION XV - REGULATORY INFORMATION

US Federal Regulations:

TSCA Status: In compliance with TSCA Inventory requirements for commercial purposes.

State Regulations:

State Right-to-Know Laws:

No substance on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet.

Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): None Known

Warning: Substances known to the state of California to cause cancer, birth defects or other reproductive harm:
None Known

Substances on the New Jersey Workplace hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as Carcinogens, mutagens or Teratogens): None Known

SECTION XVI - OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material when used in combination with any other materials and/or in any particular process or processing conditions.