

Polyurethane Products

January 2021

NOTICE: All Siftex parts and materials covered in this safety data sheet (SDS) are finished goods comprised of non-hazardous materials and thus exempt from federal regulations requiring material safety data sheets (MSDS). See, 29 CFR 1910-1200(g)(8) and related OSHA comments. The safety data contained below is voluntarily provided for the benefit of our customers and is accurate and comprehensive, based upon our best information and belief.

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Products Name(s)	Clear-Flex SDX Tubing, Clear-Flex SDX Custom Connectors, Clear-Flex SDX Film, Clear-Flex SDX EverSleeve, Clear-Flex SDX Triflex, Polyurethane Hi-Flex Hoses, Polyurethane Better Balls, 120W, Polyurethane X-Spy, Polyurethane Corrugated Sleeves.
OHSA Status	Non-Hazardous, No Hazardous Ingredients Subject to Reporting Under the Toxic Chemical Release Inventory (SARA 313).

NOTE: Siftex products do not contain phthalates.

HAZARDS IDENTIFICATION:

CAUTION! MOLTEN MATERIAL WILL PRODUCE THERMAL BURNS.

HMIS® HAZARD RATINGS:

Health-0, Flammability-1, Chemical Reactivity-0, PPI: A HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all information contained in this SDS must be considered.

FIRST-AID MEASURES

INHALATION: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

EYES: If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately.

SKIN: If burned by contact with molten material, cool as quickly as possible. Do not peel material from skin. Get medical attention.

INGESTION: Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.

NOTE TO PHYSICIANS: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray and foam. Water spray is preferred. Dry chemical / CO2 not generally recommended due to lack of cooling and risk of reignition.

SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained NIOSH breathing apparatus and protective clothing

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Powdered material may form explosive dust-air mixtures.

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ACCIDENTAL RELEASE MEASURES

Sweep or scoop up and remove.

HANDLING AND STORAGE

PERSONAL PRECAUTIONARY MEASURES:

Avoid contact with molten material.

PREVENTION OF FIRE AND EXPLOSION:

Keep from contact with oxidizing materials. Minimize dust generation and accumulation. In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries."

STORAGE: Keep container closed.

EXPOSURE CONTROLS/ PERSONAL PROTECTION

VENTILATION: Good general ventilation should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assume compliance with OSHA Standard B3 FR1152, January 8, 1996.

RESPIRATOR TYPE: Dust, organic vapor.

EYE PROTECTION: It is good industrial hygiene practice to minimize eye contact. Wear a face shield when working with molten material.

SKIN PROTECTION: It is good industrial hygiene practice to minimize skin contact. When material is heated, wear gloves to protect against thermal burns.

RECOMMENDED DECONTAMINATION FACILITIES: Eyebath, washing facilities.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: SOLID
Specific Gravity: 1:13
Melting Point: >200° C
Color: CLEAR/NATURAL

Water Solubility: NEGLIGIBLE

PH: NOT APPLICABLE

Odor: SLIGHT

Odor Threshold:
NOT APPLICABLE

Flash Point:
NOT APPLICABLE, COMBUSTIBLE SOLID.

Thermal Decomposition Temperature:
THERMAL STABILITY NOT TESTED.
LOW STABILITY HAZARD EXPECTED AT
NORMAL OPERATING TEMPERATURES.

STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Possible incompatibility with strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Avoid temperatures above 260°C (500° F). Do not hold product for extended periods of time at elevated temperatures or allow thick masses of hot polymer to accumulate because they can decompose emitting hazardous gases.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, tetrahydrofuran, nitriles, amines, nitrogen oxides. Traces of diphenylmethane, diisocyanate (MDI), aliphatic and aromatic hydrocarbons, aldehydes, acids, and hydrogen cyanide may also be formed.

TOXICOLOGY INFORMATION

KNOWN HAZARDS UNDER 29 CFR 1910.1200:

Excessive dust/fume levels produce non-specific irritation of the eyes and respiratory system.

TOXICITY DATA: None established

Listed as a Carcinogen or a Potential Carcinogen:

NTP	YES		NO	✓
IARC	YES		NO	✓
OSHA	YES		NO	✓

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ECOLOGICAL INFORMATION

This material has not been tested for environmental effects. It is a high molecular weight polymer with a very low water solubility. As such, it is expected to have a low biochemical oxygen demand and to cause essentially no oxygen depletion in aquatic systems. It is expected to have a low potential to affect aquatic organisms, secondary waste treatment microorganisms, and the germination and early growth of plants. It is expected to be non-biodegradable and unlikely to bio-concentrate. In a spill situation, it is not expected to cause any adverse environmental effects.

DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state or local laws. Incinerate.

TRANSPORT INFORMATION

MARINE POLLUTANT COMPONENTS:

NONE UNLESS LISTED BELOW.

DOT (USA): CLASS NOT REGULATED

ICAO STATUS: CLASS NOT REGULATED

IMDG STATUS: CLASS NOT REGULATED

REGULATORY INFORMATION

HMIS RATING		
Health	Fire	Reactivity
1	1	0

WHMIS (CANADA) STATUS: NON-CONTROLLED

SARA 313: NONE, UNLESS LISTED BELOW

CARCINOGENICITY CLASSIFICATION (COMPONENTS PRESENT AT 0.1% OR MORE):

NONE, UNLESS LISTED BELOW

TSCA (U.S. TOXIC SUBSTANCES CONTROL ACT):

This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (CANADIAN DOMESTIC SUBSTANCES LIST) AND CEPA (CANADIAN ENVIRONMENTAL PROTECTION ACT):

This product is listed on the DSL or otherwise complies with CEPA new substance notification requirements.

EINECS (EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES):

All components of this product are listed on EINECS. Any polymer intentionally present in this product has regulatory clearance under Directives of the European Union.

AICS/NICNAS (AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES AND NATIONAL INDUSTRIAL CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME):

This product is listed on AICS or otherwise complies with NICNAS.

MITI (JAPANESE HANDBOOK OF EXISTING AND NEW CHEMICAL SUBSTANCES):

This product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (KOREAN TOXIC SUBSTANCES CONTROL ACT):

This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

OTHER INFORMATION

USER RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: Siftex Equipment Company believes the information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable.

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