

MATERIAL SAFETY DATA SHEET

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MSDS Number: SW250BLB ; SW250BLC ; SW250BRB ; SW250BRC ;
 SW250WB ; SW250WC ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: SANTOPRENE WEATHERSTRIP
HMIS Ratings:

Health: Slight(1)
 Flammability: Slight(1)
 Instability/Reactivity: Slight(1)

NFPA Ratings:

Other:

EMERGENCY OVERVIEW:
 HANDLE PELLETS IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND REMOVAL OF THE MATERIAL FROM EYES, SKIN AND CLOTHING.
 CAUTION!
 PROCESSING RELEASES VAPORS OR FUMES WHICH MAY CAUSE RESPIRATORY TRACT IRRITATION.
 AVOID BREATHING PROCESSING FUMES OR VAPORS. PROCESS USING ADEQUATE VENTILATION.

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredient	CAS Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
THERMOPLASTIC RUBBER		100	NONE ESTABLISHED	NONE ESTABLISHED			
Notes							
ANTIMONY-4 COMPOUNDS		5 - 15	0.5 MG/M ³	0.5 MG/M ³			
Notes							
COMPONENTS WITHIN POLYMER MATRIX.							
Other:							
<p>THESE SANTOPRENE THERMOPLASTIC RUBBER GRADES ARE PROPRIETARY PRODUCTS. THEIR COMPOSITION IS TRADE SECRET INFORMATION. THESE PRODUCTS ARE NOT IDENTIFIED BY CAS NUMBER. ALL COMPONENTS OF THESE PRODUCTS APPEAR ON THE INVENTORY OF CHEMICAL SUBSTANCES PUBLISHED BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY.</p> <p>FLAME RETARDED GRADES CONTAIN ANTIMONY TRIOXIDE (ANTIMONY (III) OXIDE, CAS # 1309-64-1) WITHIN THE POLYMER MATRIX. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS DETERMINED THAT ANTIMONY (III) OXIDE IS POSSIBLY CARCINOGENIC TO HUMANS (IARC GROUP 2B). IARC DETERMINED THAT THERE IS INADEQUATE EVIDENCE IN HUMANS BUT SUFFICIENT EVIDENCE IN ANIMALS FOR CARCINOGENICITY OF ANTIMONY (III) OXIDE. THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS HAS DETERMINED THAT PRODUCTION (MINING AND REFINING) OF ANTIMONY TRIOXIDE IS A SUSPECTED HUMAN CARCINOGEN (ACGIH CATEGORY A2). ACGIH DEFINES A SUSPECTED HUMAN CARCINOGEN IN EXPERIMENTAL ANIMALS AT DOSE LEVELS, BY ROUTE(S) OF ADMINISTRATION, AT SITE(S), OF HISTOLOGIC TYPE(S), OR BY MECHANISM(S) THAT ARE CONSIDERED RELEVANT TO WORKER EXPOSURE. ACGIH ALSO DETERMINED THAT AVAILABLE EPIDEMIOLOGIC STUDIES ARE CONFLICTING OR INSUFFICIENT TO CONFIRM AN INCREASED RISK OF CANCER IN EXPOSED HUMANS.</p>							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: PELLETS DO NOT CAUSE SIGNIFICANT EYE IRRITATION.

Skin: PELLETS DO NOT CAUSE SIGNIFICANT SKIN IRRITATION.

Inhalation: INHALATION OF FUMES OR VAPORS DURING PROCESSING MAY CAUSE RESPIRATORY TRACT IRRITATION.

Medical Conditions

Aggravated by Exposure:

IV. FIRST AID MEASURES

Inhalation: IF FUMES ARE INHALED, REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GET MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES

Extinguishing Agents: WATER SPRAY, OR ANY CLASS A EXTINGUISHING AGENT.

Unusual Fire or Explosion NONE KNOWN

Hazards:

Fire Fighting Procedures: FIREFIGHTERS AND OTHERS EXPOSED TO PRODUCTS OF COMBUSTION SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. CARBON MONOXIDE, ANTIMONY HALIDES, BROMINATED COMPOUNDS AND POSSIBLY HYDROGEN HALIDES AND HYDROCARBONS ARE LIBERATED AS A TOXIC DECOMPOSITION PRODUCT WHEN THIS THERMOPLASTIC RUBBER IS IGNITED.

Other: FLASH (PILOTED) IGNITION TEMPERATURE: >650°F METHOD ASTM-D 1927-77
SELF-IGNITION (NON-PILOTED) TEMPERATURE: >700°F METHOD ASTM-D 1927-77

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup: SPILLED PRODUCT MAY CAUSE A SLIPPING HAZARD. IN CASE OF SPILL OR LEAK, VACUUM OR SWEEP UP AND PLACE IN CLEAN, COVERED CONTAINERS FOR RECYCLE OR DISPOSAL.

VII. HANDLING AND STORAGE

Other: AVOID LEAVING CONTAINER OPEN FOR PROLONGED PERIODS TO PREVENT EXPOSURE TO HUMIDITY. THIS THERMOPLASTIC RUBBER WILL PICK UP SMALL AMOUNTS OF MOISTURE. STORE IN A COOL, DRY PLACE. USUAL PRECAUTIONS IN PELLET HANDLING SHOULD BE OBSERVED TO PREVENT CONTAMINATION BY DIRT OR OTHER MATERIALS.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: THIS THERMOPLASTIC RUBBER DOES NOT CAUSE SIGNIFICANT EYE IRRITATION OR EYE TOXICITY REQUIRING SPECIAL PROTECTION. USE GOOD INDUSTRIAL PRACTICE TO AVOID EYE CONTACT.

Skin: ALTHOUGH THIS THERMOPLASTIC RUBBER DOES NOT PRESENT SIGNIFICANT SKIN CONCERN, MINIMIZE SKIN CONTAMINATION BY FOLLOWING GOOD INDUSTRIAL HYGIENE PRACTICE. WEARING PROTECTIVE GLOVES IS RECOMMENDED. WASH HANDS AND CONTAMINATED SKIN THOROUGHLY AFTER HANDLING.

Respiratory: AVOID BREATHING PROCESS VAPORS OR DUST. USE NIOSH APPROVED RESPIRATORY PROTECTION EQUIPMENT (FULL FACEPIECE RECOMMENDED) WHEN AIRBORNE EXPOSURE IS EXCESSIVE. CONSULT RESPIRATOR MANUFACTURER TO DETERMINE APPROPRIATE TYPE EQUIPMENT FOR GIVEN APPLICATION. OBSERVE RESPIRATOR USE LIMITATIONS SPECIFIED BY NIOSH OR THE MANUFACTURER. RESPIRATORY PROTECTION PROGRAMS MUST COMPLY WITH 29 CFR 1910.134.

Engineering: PROVIDE NATURAL OR MECHANICAL VENTILATION TO MINIMIZE EXPOSURE. IF PRACTICAL, USE LOCAL MECHANICAL EXHAUST VENTILATION AT SOURCES OF AIR CONTAMINATION SUCH AS OPEN PROCESS EQUIPMENT.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: BEIGE/TAN PELLETS
Specific Gravity: 0.90 – 1.28
Other: HARDNESS: 70 SHORE A TO 92 SHORE A
 THESE PHYSICAL DATA ARE TYPICAL VALUES BASED ON MATERIAL TESTED BUT MAY VARY FROM SAMPLE TO SAMPLE. TYPICAL VALUES SHOULD NOT BE CONSTRUED AS A GUARANTEED ANALYSIS OF ANY SPECIFIC LOT OR AS SPECIFICATIONS FOR THE PRODUCT.

X. STABILITY AND REACTIVITY

Stability: THERMALLY STABLE TO 500°F

Hazardous Polymerization: DOES NOT OCCUR

Hazardous Decomposition Products: SMOKE, CARBON MONOXIDE, ANTIMONY HALIDES, BROMINATED COMPOUNDS, AND POSSIBLY HYDROGEN HALIDES AND HYDROCARBONS, AND POSSIBLY HYDROCARBONS MAY EVOLVE WHEN PROCESSING TEMPERATURES EXCEED 500°F OR WHEN THIS THERMOPLASTIC RUBBER IS IGNITED.

Incompatible Products: MAY REACT WITH STRONG OXIDIZING CHEMICALS. THIS THERMOPLASTIC RUBBER ALSO REACTS WITH ACETAL RESINS AT TEMPERATURES OF 425°F (218°C) AND ABOVE, PRODUCING DECOMPOSITION OF THE ACETAL RESIN, AND FORMALDEHYDE AS A DECOMPOSITION PRODUCT. DECOMPOSITION OF HALOGENATED POLYMERS AND PHENOLIC RESINS MAY ALSO BE ACCELERATED WHEN THEY ARE IN CONTACT WITH THERMOPLASTIC RUBBER AT PROCESSING TEMPERATURES. THOROUGHLY PURGE PROCESSING EQUIPMENT WITH POLYOLEFIN POLYMERS, INCLUDING POLYPROPYLENE, WHEN USING THE SAME EQUIPMENT TO PROCESS THERMOPLASTIC RUBBER AND ACETAL RESINS, HALOGENATED POLYMERS AND PHENOLIC RESINS. DO NOT MIX THERMOPLASTIC RUBBER, ACETAL RESINS, HALOGENATED POLYMERS OR PHENOLIC RESINS AT ELEVATED TEMPERATURES.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data: NO DATA AVAILABLE.

Other: EFFECTS OF EXPOSURE:
 SKIN CONTACT IS EXPECTED TO BE THE PRIMARY ROUTE OF OCCUPATIONAL EXPOSURE TO THERMOPLASTIC RUBBER. OCCUPATIONAL EXPOSURE TO THIS MATERIAL IN NORMAL HANDLING AND STORAGE HAS NOT BEEN REPORTED TO CAUSE SIGNIFICANT ADVERSE HUMAN HEALTH EFFECTS. DUE TO ITS CHEMICAL AND PHYSICAL PROPERTIES. THERMOPLASTIC RUBBER DOES NOT APPEAR TO POSSESS ANY TOXICOLOGICAL PROPERTIES WHICH WOULD REQUIRE SPECIAL HANDLING OTHER THAN THE GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES EMPLOYED WITH ANY INDUSTRIAL MATERIAL OF THIS TYPE.
 HOWEVER, UNDER NORMAL PROCESSING CONDITIONS, THIS PRODUCT WILL RELEASE FUMES AND VAPORS. COMPONENTS OF THESE RELEASES MAY VARY WITH PROCESSING TIMES AND TEMPERATURES AND THEREFORE SPECIFIC COMPOSITION CANNOT BE PREDICTED BASED ON CURRENT INFORMATION. THESE PROCESS RELEASES MAY PRODUCE RESPIRATORY TRACT IRRITATION WHERE SUCH RELEASES ARE ALLOWED TO BUILD UP DUE TO INADEQUATE VENTILATION IN THE GENERAL WORK AREA. THESE FUMES AND VAPORS, WITH REPEATED AND PROLONGED EXPOSURE AT HIGH

CONCENTRATIONS, COULD CAUSE NAUSEA, DROWSINESS AND HEADACHE, ESPECIALLY IF SUCH EXPOSURES EXCEED CURRENT EXPOSURE LIMITS (WHERE ESTABLISHED). GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES SHOULD BE USED TO AVOID UNNECESSARY EXPOSURES.

XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: NO DATA AVAILABLE.
Ecotoxicity:

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: WHEN DISCARDED, THIS THERMOPLASTIC RUBBER IS NOT A "HAZARDOUS WASTE" AS THAT TERM IS DEFINED IN 40 CFR 261, "IDENTIFICATION AND LISTING OF HAZARDOUS WASTE." RECYCLE OR BURN IN AN APPROVED INCINERATOR OR DISPOSE OF IN AN APPROVED CHEMICAL LANDFILL IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. CONSULT YOUR ATTORNEY OR APPROPRIATE REGULATORY OFFICIALS FOR INFORMATION ON SUCH DISPOSAL. REPROCESS ONLY UNCONTAMINATED MATERIAL.

RCRA Class: NOT APPLICABLE

Other: SPILL OR LEAKAGE PROCEDURES:
 VACUUM OR SWEEP UP AND PLACE IN CONTAINER FOR RECYCLE OR DISPOSAL AS RECOMMENDED ABOVE.
 CONTAINERS:
 RECYCLE OR BURN IN AN APPROVED INCINERATOR OR DISPOSE OF IN AN APPROVED CHEMICAL LANDFILL IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: NOT APPLICABLE
D.O.T. Hazard Class: NOT APPLICABLE

Other: U.S. SURFACE FREIGHT CLASSIFICATION:
 RAIL: RUBBER, SYNTHETIC CRUDE
 TRUCK: RUBBER, CRUDE

XV. REGULATORY INFORMATION

EPA Sara Title III Chemical Listings: SARA HAZARD NOTIFICATION: HAZARDOUS CATAGORIES UNDER CRITERIA OF SARA TITLE III RULES (40 CFR PART 370): NOT APPLICABLE
 SECTION 313 HAZARDOUS CHEMICALS: ANTIMONY COMPOUNDS: 1 – 10% RANGE
 HALOGENATED AROMATIC COMPOUNDS: 15 – 30% RANGE

Supplemental State Compliance Information: REPORTABLE QUANTITY (RQ) UNDER DOT (48 CFR) AND CERCLA REGULATIONS: NOT APPLICABLE
 HAZARDOUS CHEMICALS UNDER OSHA HAZARD COMMUNICATION STANDARD:
 ANTIMONY COMPOUNDS: 1 – 10% RANGE

XVI. OTHER INFORMATION

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE

CRL Online

WHETHER
THEY ARE APPROPRIATE.