



05536 DOW GRAYBOARD EXTRUDED POLYSTYRENE FOAM INSULATION

MSDS Number

BNYRD

National Stock Number

5640-00F024892

Product Name

05536 DOW GRAYBOARD EXTRUDED POLYSTYRENE FOAM INSULATION

Manufacturer

DOW CHEMICAL CO

Product Identification

Product ID:05536 DOW GRAYBOARD EXTRUDED POLYSTYRENE FOAM INSULATION

MSDS Date:06/13/1990

FSC:5640

NIIN:00F024892

MSDS Number: BNYRD

Responsible Party

DOW CHEMICAL CO

2030 DOW CENTER

MIDLAND , MI 48674

US

Emergency Phone: (517) 636-4410

Info Phone: (517) 636-4410

Cage: 0BG07

Contractor

DOW CHEMICAL U.S.A.

MIDLAND, MI 48674

US

517-636-4400

Cage: 71983

Ingredients

ETHENE-1-OCTENE COPOLYMER; POLYETHYLENE

CAS: 26227-73-8

Fraction By Weight: 0-10%

STYRENE POLYMER, POLYSTYRENE

CAS: 9003-53-6

RTECS: WL6475000

Fraction By Weight: BALANCE

DICHLORODIFLUOROMETHANE, FREON 12

CAS: 75-71-8

RTECS: PA8200000

Fraction By Weight: 0-7.5%



OSHA PEL4950 MG/CUM

ACGIH TLV: 4950 MG/CUM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ETHANE, 1-CHLORO-1,1-DIFLUORO-, CHLORODIFLUOROETHANE (DOT),

CAS: 75-68-3

RTECS: KH7650000

Fraction By Weight: 0-10%

POLYETHYLENE, POLYETHYLENE RESIN (HOMOPOLYMER)

CAS: 9002-88-4

RTECS: TQ3325000

Fraction By Weight: 0-10%

HEXABROMOCYCLODODECANE *92-2*

CAS: 3194-55-6

Fraction By Weight: 0-2%

1,2,3,4,5-PENTABROMO-6-CHLOROCYCLOHEXANE *92-2*

CAS: 87-84-3

Fraction By Weight: 0-2%

ETHYL CHLORIDE, CHLOROETHANE

CAS: 75-00-3

RTECS: KH7525000

Fraction By Weight: 0-4.5%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

Hazards

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES

Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Health Hazards Acute and Chronic: EYES: IRRITATION OR CORNEAL INJURY.

SKIN: MECHANICAL INJURY. INGESTION: LIVER & KIDNEY EFFECTS,

INCREASE IN TISSUE LEVELS OF BROMINE, PHYSICAL INJURY, CHOKING.

INHALATION: SEVERE RESPIRATORY EFFECTS, UPPER RESPIRATORY TRACT

IRRITATION, CNS DEPRESSION, ANESTHETIC EFFECTS, IRREGULAR HEARTBEATS

& CARDIAC SENSITIZATION.

Explanation of Carcinogenicity: NONE

Effects of Overexposure: EYES: IRRITATION OR CORNEAL INJURY. SKIN:

MECHANICAL INJURY. INGESTION: LIVER & KIDNEY EFFECTS, INCREASE IN

TISSUE LEVELS OF BROMINE, PHYSICAL INJURY, CHOKING. INHALATION:

SEVERE RESPIRATORY EFFECTS, UPPER RESPIRATORY TRACT IRRITATION,

CNS DEPRESSION, ANESTHETIC EFFECTS, IRREGULAR HEARTBEATS & CARDIAC

SENSITIZATION.



First Aid

First Aid:EYES: IRRIGATE W/WATER FOR 5 MIN. INHALATION: REMOVE TO FRESH AIR. SKIN/INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point Method:PMCC

Flash Point:670F

Extinguishing Media:WATER FOG

Fire Fighting Procedures:WEAR POSITIVE-PRESSURE SCBA. APPLY LARGE VOLUME OF WATER DIRECTLY ON FLAME OR BURNING SURFACE.

Unusual Fire/Explosion Hazard:EMITS DENSE, BLACK SMOKE WHEN BURNED. GRINDING OR CUTTING MAY LEAD TO A BUILDUP OF DUST SUSPENDED IN AIR WHICH CAN CAUSE A DUST EXPLOSION IF IGNITED.

Accidental Release

Spill Release Procedures:PICK UP, OR IF DUST/SMALL PIECES, SWEEP UP & PLACE IN SUITABLE CONTAINER FOR DISPOSAL.

Handling

Handling and Storage Precautions:DON'T STORE OR USE IN CONFINED, VIRTUALLY AIRTIGHT SPACES TO PREVENT BUILDUP OF COMBUSTIBLE VAPORS.

Other Precautions:USE ONLY AS DIRECTED BY THE SPECIFIC INSTRUCTIONS FOR THIS PRODUCT. PROVIDE ADEQUATE VENTILATION, & APPROPRIATE DUST HANDLING SYSTEMS.

Exposure Controls

Respiratory Protection:USE AN APPROVED AIR-PURIFYING/APPROVED DUST RESPIRATOR.

Ventilation:GENERAL/LOCAL EXHAUST

Eye Protection:GLASSES/CHEMICAL GOGGLES

Supplemental Safety and Health

GAS FIRED RECIRCULATING AIR FURNACES/HEATERS, GAS WATER HEATERS CAN BE SUBJECTED TO RUST/CORROSION PROBLEMS. THIS INSULATION CONTAINS A FLAME RETARDANT ADDITIVE TO INHIBIT ACCIDENTAL IGNITION FROM FIRE SOURCES. PRODUCT MAY CONTAIN EITHER 9002-88-4 OR 26221-73-8.

Chemical Properties

Spec Gravity:0.027 TO 0.064

Solubility in Water:INSOLUBLE

Appearance and Odor:RIGID CELLULAR FOAM BOARD, NO ODOR.

Stability

Stability Indicator/Materials to Avoid:YES

AROMATIC HYDROCARBONS, HIGHER (>C5) ALIPHATIC HYDROCARBONS, ESTERS, AMINES, HIGHER ALDEHYDES.

Stability Condition to Avoid:FIRE, HIGH TEMPS. TEMPERATURES OVER 572F WILL RELEASE COMBUSTIBLE GASES.

Hazardous Decomposition Products:CO, CO₂, HYDROGEN

BROMIDE/CHLORIDE/FLUORIDE & SMALL AMOUNTS OF AROMATIC HYDROCARBONS SUCH AS STYRENE & ETHYLBENZENE.

Conditions to Avoid Polymerization:FLAME OR OTHER IGNITION SOURCES

Disposal

Waste Disposal Methods:BURY IN AN APPROVED LANDFILL, OR BURN IN AN ADEQUATE INCINERATOR W/EXCESS OXYGEN, IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.

