

M A T E R I A L S A F E T Y D A T A S H E E T

DP 2590 CA DUCT LINER SPRAY ADHESIVE

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CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Alcoholism, acute and chronic liver and kidney disease, chronic lung disease, anemia, pre-existing eye, skin, or respiratory disorders may be aggravated by exposure to this product.

===== **SECTION IV – FIRST AID PROCEDURES** =====

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed:

INHALATION: Remove person to fresh air. If signs or symptoms develop, get medical attention.

SKIN: Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Do not rub affected area. Get medical attention. Wash contaminated clothing before reuse.

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes while frequently lifting the upper and lower eyelids. If irritation persists, get medical attention.

INGESTION: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Contact physician or emergency medical facility immediately. Never give anything by mouth to an unconscious person.

===== **SECTION V - FIRE AND EXPLOSION HAZARD DATA** =====

NFPA FLAMMABILITY CLASSIFICATION	FLAMMABLE LIQUID – CLASS IA
FLASH POINT: -156°F (-104°C) METHOD USED: N/E	AUTOIGNITION TEMPERATURE: Not Established
FLAMMABLE LIMITS IN AIR BY VOLUME – LOWER: 1.8	UPPER: 18

EXTINGUISHING MEDIA: Use NFPA Class B fire extinguishers such as carbon dioxide, dry chemical or alcohol foam designed to extinguish flammable liquid fires. Polymer foam is preferred for large fires.

SPECIAL FIRE FIGHTING PROCEDURES: When material burns, Carbon Dioxide, Carbon Monoxide, aldehydes, various hydrocarbons, and smoke are produced. Firefighters should wear full protective equipment (Bunker Gear) and self-contained breathing apparatus (SCBA), especially in enclosed areas. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DANGER! EXTREMELY FLAMMABLE! VAPORS MAY CAUSE FLASH FIRE. VAPOR OR CONTAINER MAY EXPLODE IF EXPOSED TO FLAME, HEAT, OR OTHER IGNITION SOURCE. Containers are pressurized with flammable, liquefied gas. Vapors are heavier than air and may travel along floor to ignition source. At elevated temperatures (over 130°F), containers may burst and release flammable vapors. This product contains halogenated hydrocarbons. Contact with aluminum or zinc may generate hydrogen gas and a create an explosion hazard. Properly designed and installed "explosion proof" electrical equipment is required. Do not apply to very hot surfaces.

===== **SECTION VI – ACCIDENTAL RELEASE MEASURES** =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate unprotected and untrained personnel from hazard area. The use of NIOSH/MSHA approved, TC19C, air-supplied breathing apparatus may be required. Consult with a qualified occupational health and/or safety professional. Wear respirator, eye, hand, and body protection appropriate for the size of the spill and the exposures encountered. Keep spectators away. Eliminate all ignition sources such as flames, hot surfaces, and sources of sparks. Dike, contain, or absorb with inert absorbent material. Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Prevent spill from entering sewers, drains, streams, waterways, or other bodies of water.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations. Observe precautions for disposal of flammable materials.

RCRA CLASSIFICATION: This product, if discarded directly, would be classified as a hazardous waste based on its ignitability characteristic. The proper RCRA classification is D001.

===== **SECTION VII - PRECAUTIONS FOR SAFE HANDLING, STORAGE, AND USE** =====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool dry, well ventilated area. Do not store containers above 115°F. Store away from acids and oxidizing agents. Store large quantities in compliance with OSHA 29CFR1910.106. Do not

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incinerate, puncture, or mishandle container valves or hoses. All attachments must be in good condition and properly designed for use with this container. Do not spray near sources of flame, sparks, or hot surfaces. Keep containers tightly closed. Exposure to direct sunlight or other sources of heat may cause containers to rupture or explode. DO NOT TAKE INTERNALLY. Avoid unnecessary, prolonged, or repeated contact with this and any other chemical. KEEP OUT OF REACH OF CHILDREN.

OTHER PRECAUTIONS: THIS PRODUCT IS INTENDED TO BE USED ONLY BY THE PROFESSIONAL (INDUSTRIAL) APPLICATOR UNDER PROPERLY CONTROLLED CONDITIONS. THE USE OF THIS PRODUCT IN CONFINED AREAS MAY RESULT IN DANGEROUS AIRBORNE CONCENTRATIONS. THIS MAY CAUSE THE SERIOUS HEALTH EFFECTS DESCRIBED IN SECTION III OF THE MSDS.

WASTE DISPOSAL METHOD: Once hose has been removed and placed on a new tank, open valve completely and allow all vapors to escape. Leave valve open. Punch out emergency relief valve on top of cylinder dome with a hammer and punch. Containers are non-returnable and must be disposed of in accordance with local, state, and federal regulations. Observe precautions for disposal of flammable materials.

===== SECTION VIII – EXPOSURE CONTROLS =====

WORK / HYGENIC PRACTICES: Do not eat, drink, or smoke when using or handling this product. Keep away from heat, sparks, open flame, pilot lights, and other sources of ignition. Source of clean water should be available for flushing eyes and washing skin. Wash thoroughly after handling any chemicals, especially before eating, drinking, or smoking. Remove and launder contaminated clothing before reuse.

RESPIRATORY PROTECTION: Provide sufficient ventilation to maintain constant fresh air in workspace. In restricted ventilation areas, a NIOSH approved chemical cartridge respirator may be required. Under certain conditions, such as spraying, a mechanical pre-filter may also be required. In confined areas, use an approved NIOSH/MSHA air-supplied respirator. If the TLV's listed in Section II are exceeded, use a properly fitted NIOSH/MSHA approved half-face or full-face pressure demand self-contained breathing apparatus. Consult your personal protection supplier for further information.

VENTILATION: Use adequate mechanical general dilution ventilation and/or local exhaust ventilation to maintain airborne exposure below occupational exposure limits and/or to control vapors, mists, or sprays. Do not use in a confined area with little or no air movement. If ventilation is not adequate, use protective equipment.

SKIN PROTECTION (PROTECTIVE GLOVES): Avoid skin contact by wearing gloves and/or appropriate protective clothing. Gloves made from the following material(s) are recommended: Polyvinyl Alcohol (PVA), Polyethylene/Ethylene Vinyl Alcohol.

EYE PROTECTION: Wear safety glasses with side shields that meet ANSI Z87.1. Use indirect vented chemical splash goggles meeting ANSI Z87.1 where splashing or contact with liquids, vapors, mists, or sprays is possible.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear impervious clothing. Eye wash station, safety shower.

===== SECTION IX - PHYSICAL / CHEMICAL CHARACTERISTICS =====

PHYSICAL FORM: Viscous liquid	COLOR: Clear or Green
ODOR: Organic Solvent Odor	pH: Not Applicable
SOLUBILITY IN WATER: Negligible	SPECIFIC GRAVITY (H ₂ O=1): 0.93-0.97
BOILING POINT: -44°F (-42°C)	% VOC BY WEIGHT: <80 g/l (Calculated, EPA Method 24)
FREEZING POINT: Not Established	EVAPORATION RATE: Faster than diethyl ether
VAPOR PRESSURE: 90 psig at 70°F	VAPOR DENSITY: Heavier than air
COATING V.O.C.: <80 g/l (Calculated, EPA Method 24)	VISCOSITY (cps): Not Available

===== SECTION X – STABILITY AND REACTIVITY DATA =====

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Open flames, sources of ignition, sparks, high heat, welding arcs or other high temperature sources which induce thermal decomposition.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids or alkaline materials, strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials on thermal decomposition including carbon monoxide, carbon dioxide, aldehydes, various hydrocarbons, and fluorine containing gases.

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===== SECTION XII –REGULATORY INFORMATION =====

Toxic Substances Control Act (TSCA): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Canadian Domestic Substance List (CDSL): All ingredients in this product are listed on the Canadian Domestic Substance List.

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW (SARA TITLE III):

Section 311/312 Hazard Categories:

Fire Hazard – Yes Pressure Hazard – Yes Reactivity Hazard – No Immediate Hazard – Yes Delayed Hazard - Yes

Section 313 Information (40 CFR 372) – Toxic Chemicals List: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

Component	CAS#	% by Weight
Hexane	110-54-3	1-4%

This material contains a chemical which requires export notification under TSCA section 12 [b]:

Component	CAS#	Regulation	Status
Hexane	110-54-3	Toxic Substances Control Act (TSCA) 4 Test	Applicable
Methyl Acetate	79-20-9		Applicable

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