

MATERIAL SAFETY DATA SHEET



MANUFACTURER'S NAME AND ADDRESS: DIEDRICH TECHNOLOGIES, INC.
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OAK CREEK, WI 53154

PRODUCT NAME: DIEDRICH ASPIR-SOLV

EMERGENCY PHONE NO.: 414-764-0058

8-98

SECTION I - PRODUCT IDENTIFICATION			
SECTION II - HAZARDOUS INGREDIENTS			
CHEMICAL NAME	CAS NO.	MFPA CODE	TLV PEL
Petroleum Distillate	64742-47-8	2/2/0/-	400 ppm
Heavy Aromatic Solvent Naptha	64742-94-5	2/2/0/-	400 ppm
Ethanol, 2 butoxy	111-76-2	2/2/0/-	700 ppm
Proprietary Additives	Mixture	2/2/0/-	N.A.

PERCENTAGE CONTENT OF HAZARDOUS INGREDIENTS WITHIN 1% AS TRADE SECRET PURSUANT TO MASSACHUSETTS REGULATIONS.
REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 373 APPLY.

SECTION III - PHYSICAL DATA			
BOILING POINT (°F)	367-414°	WEIGHT PER GAL.	7 Lbs.
VAPOR PRESSURE (mmHg)	2mmHg @ 68°F	% VOLATILE BY VOLUME	80%
VAPOR DENSITY (AIR=1)	Heavier than air	EVAPORATION RATE	Slower than ether
SOLUBILITY IN WATER	Forms milky emulsion	APPEARANCE AND ODOR:	Colorless liquid with mild naphtha odor.

SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT: 140°F

EXTINGUISHING MEDIA: Use foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Use air supplied breathing apparatus. Use the procedure for fighting petroleum solvent fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Because vapors are heavier than air they may travel along the ground or by ventilation systems far away from material handling point.

SECTION V - HEALTH HAZARD DATA

FLAMMABLE LIMITS: LEL = 0.9% UEL = 7.0%

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin

CARCINOGEN INFORMATION: Not listed (OSHA, IARC, NTP).

SMALL SPILLS: Dike and contain. Soak up residue with absorbent noncombustible material. Scoop into drums appropriate for disposal.

WASTE DISPOSAL METHODS: Material collect or absorbed may be incinerated or deposited in an approved landfill site in accordance with local, state, and federal regulations. Advise authorities if product has entered or may enter sewers, waterways or extensive land area.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
A NIOSH/MSHA approved air supplied or self contained respirator must be used if the TLV of the product or component is exceeded. Under specific conditions other NIOSH/MSHA respirators may be permitted under OSHA regulations. Consult with your safety equipment supplier.

VENTILATION:
Local exhaust sufficient to minimize exposure to mist and fumes below permissible exposure limits. If mechanical assist ventilation is required, unit must be of an explosion proof type.

PROTECTIVE CLOTHING:
Protect all body parts from contact by using full chemical/solvent resistant suit with tight fitting cuffs and collar, rubber boots and full face shield.

PROTECTIVE GLOVES:
Solvent resistant gloves such as nitrile rubber must be worn.

EYE PROTECTION:
Close fitting safety chemical goggles and face shield must be worn.

OTHER PROTECTIVE EQUIPMENT:
Apply Diedrich recommended skin barrier cream for additional protection. Solvent resistant boots and hardhat. Safety shower and eyewash or fresh running water close at hand.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Keep away from heat, sparks and open flame. Use with adequate ventilation. Store away from oxidizing material. Avoid prolonged or repeated contact with skin. After this container has been emptied it may contain explosive and/or harmful vapors and residue.

OTHER PRECAUTIONS:
Do not cut, puncture or weld on or near this container. Do not re-use container for any purpose until it has been commercially cleaned. Keep container closed when not in use. This product is classified as an "oil" under the Clean Water Act. As such it must be kept out of surface water, watercourses or sewers entering or leading to surface waters.

LEGENDS:

0 = LEAST 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME

N.D. = NOT DETERMINED N.A. = NOT AVAILABLE N/A = NOT APPLICABLE

While this company believes that the data contained herein are factual and the opinions expressed are based on test and data believed to be reliable, it is the user's responsibility

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: No applicable information to be found.

EFFECTS OF OVEREXPOSURE: High concentration of the vapor (more than 1000 ppm) may be irritating to the eyes and respiratory tract, and may cause headaches and/or dizziness.

EYE CONTACT: Short-term contact with vapor, mist or liquid can cause slight eye irritation. Repeated or prolonged contact can be more irritating.

SKIN CONTACT: Repeated or prolonged contact with liquid can lead to defatting and drying of the skin and could result in skin irritation and dermatitis.

INHALATION: High concentrations or prolonged exposure to lower concentrations may cause a slight irritation to mucous membranes.

INGESTION: Liquid ingestion may result in vomiting; aspiration of the liquid into the lungs is to be avoided, liquid contact with lungs can cause pulmonary edema/hemorrhage and chemical pneumonitis.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush with large amounts of water, lift both upper and lower eyelids frequently to assure thorough flushing under lids. Seek medical attention. If irritation persists see a physician.

SKIN CONTACT: Wash with mild soap and water, apply skin cream. Remove contaminated clothing and launder before reuse. Discard contaminated shoes. If irritation persists see a physician.

INHALATION: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.

INGESTION: If swallowed, do not induce vomiting, contact poison control center. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs, which can cause chemical pneumonitis, which can be fatal. See a physician immediately.

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SECTION VI - REACTIVITY DATA

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STABILITY: Stable.

CONDITIONS TO AVOID:

Heat, sparks, open flame and fire. Keep away from pilot lights, extinguish all pilot lights in room and adjacent rooms. Be sure to search for multiple pilot lights on appliances.

INCOMPATIBILITY (Material to Avoid): Oxidizing agents such as liquid chlorine, sodium and calcium hypochlorite

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

Carbon monoxide and unidentified organics may be formed during combustion.

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SECTION VII - SPILL OR LEAK PROCEDURES

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SPILL, LEAK AND WASTE DISPOSAL PROCEDURES:

LARGE SPILLS: Avoid exposure to sparks, fire or hot metal surfaces. Eliminate possible sources of ignition. If applicable wear appropriate respirator and other protective clothing. Stop source of leak if safe to do so. Dike and contain spill/leak. Soak up residue with absorbent, noncombustible material. Scoop into drum appropriate for disposal. Prevent material from entering drains, sewers and waterways.

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