

**SAFETY DATA SHEET**

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Revision Date: 07/01/2013  
Print Date:

11/25/2014

MSDS Number: 100000002775

DI-MS MINERAL SPIRITS 66 1% AROM 86315  
Version: 1.1

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

MANUFACTURER'S NAME:	ADDRESS:
DISTINCTIVE IMAGE	50 COMMERCE PARKWAY
	HODGENVILLE, KY 42748
EMERGENCY PHONE :	(800) 424 - 9300
INFORMATION PHONE :	(800) 223 - 1918
FAX NUMBER :	(800) 500 - 9812

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: liquid, colorless

CAUTION! COMBUSTIBLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

**Potential Health Effects**

**Exposure routes**

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

**Eye contact**

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

**Skin contact**

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

**Ingestion**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

**Inhalation**

Breathing of vapor or mist is possible. It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

**Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Skin, respiratory tract, Heart

**Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), irregular heartbeat

**Target Organs**

Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans.

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This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

**Reproductive hazard**

Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Components</b>	<b>CAS-No. / trade secret no.</b>	<b>Concentration</b>
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	90 - 100%

**4. FIRST AID MEASURES****Eyes**

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

**Skin**

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

**Ingestion**

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**Inhalation**

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

**Notes to physician**

**Hazards:** Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

**Treatment:** No information available.

**5. FIREFIGHTING MEASURES****Suitable extinguishing media**

Dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray

**Hazardous combustion products**

Aldehydes, carbon dioxide and carbon monoxide, Hydrocarbons

**Precautions for fire-fighting**

If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition

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sources at locations near the point of release. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

**NFPA Flammable and Combustible Liquids Classification**  
Combustible Liquid Class II**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

**Environmental precautions**

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Methods for cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**Other information**

Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapors/mists with a water spray jet.

**7. HANDLING AND STORAGE****Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

**Storage**

Store in a cool, dry, ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

<b>Solvent naphtha (petroleum), medium aliphatic</b>	<b>64742-88-7</b>	
OSHA	8-hour time weighted average	500 ppm

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OSHA	8-hour time weighted average	2,000 mg/m <sup>3</sup>
ACGIH	8-hour, time-weighted average	200 mg/m <sup>3</sup>
OSHA	8-hour time weighted average	400 ppm
OSHA	8-hour time weighted average	1,600 mg/m <sup>3</sup>

**General advice****Exposure controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**Eye protection**

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

**Skin and body protection**

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use. Wear resistant gloves (consult your safety equipment supplier).

**Respiratory protection**

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air purifying respirator may not provide adequate protection.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Physical state</b>	liquid
<b>Form</b>	liquid
<b>Color</b>	clear/colorless
<b>Odor</b>	hydrocarbon-like
<b>Boiling point/boiling range</b>	300 - 415 °F / 149 - 213 °C
<b>Flash point</b>	104 - 115 °F / 40 - 46 °C
<b>Lower explosion limit/Upper explosion limit</b>	0.6 % (V) / 6.0 % (V)
<b>Vapor pressure</b>	0.230 mmHg @ 68 °F / 20 °C
<b>Relative vapor density</b>	4.8
<b>Water solubility</b>	insoluble
<b>Auto-ignition temperature</b>	446 - 518 °F / 230 - 270 °C

<b>10. STABILITY AND REACTIVITY</b>
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**Stability**

Stable.

**Conditions to avoid**

Heat, flames and sparks. Heat, flames and sparks.

**Incompatible products**

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Strong oxidizing agents

**Hazardous decomposition products**

Aldehydes, carbon dioxide and carbon monoxide, Hydrocarbons

**Hazardous reactions**

Product will not undergo hazardous polymerization.

**11. TOXICOLOGICAL INFORMATION****Acute oral toxicity**

Acute oral toxicity – Product : no data available

Acute oral toxicity - Components

Solvent naphtha (petroleum), medium aliphatic : LD50: 2,000 mg/kg Species: rat  
Method: Fixed dose procedure**Acute inhalation toxicity**

Acute inhalation toxicity – Product : no data available

Acute inhalation toxicity - Components

Solvent naphtha (petroleum), medium aliphatic : LC50: &gt; 4.3 mg/l Exposure time: 4 h Species: rat

**Acute dermal toxicity**

Acute dermal toxicity –Product : no data available

Acute dermal toxicity - Components

Solvent naphtha (petroleum), medium aliphatic : LD50: 2,000 mg/kg Species: rabbit  
Method: Fixed dose procedure**Acute toxicity (other routes of administration)**

Acute toxicity (other routes of administration)

: no data available

**12. ECOLOGICAL INFORMATION****Biodegradability**

Biodegradability - Product : no data available

Biodegradability - Components

Solvent naphtha (petroleum), medium aliphatic : aerobic 61 % Testing period: 10 d  
Test substance: Solvent naphtha (petroleum),  
heavy aromatic**Bioaccumulation**

Bioaccumulation - Product : no data available

**Ecotoxicity effects****Toxicity to fish**

Toxicity to fish - Product : no data available

Toxicity to fish - Components

Solvent naphtha (petroleum), medium aliphatic : LL50: 2.5 mg/l Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
Analytical monitoring: yes  
Test Type: semi-static test

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**Toxicity to daphnia and other aquatic invertebrates**

Toxicity to daphnia and other aquatic invertebrates- Product : no data available  
 Toxicity to daphnia and other aquatic invertebrates - Components  
 Solvent naphtha (petroleum), medium aliphatic : EL50: 1.4 mg/l Exposure time: 48 h  
 Species: Daphnia magna (Water flea)  
 Analytical monitoring: yes  
 Test Type: Immobilization

**Toxicity to algae**

Toxicity to algae – Product : no data available  
 Toxicity to algae - Components  
 Solvent naphtha (petroleum), medium aliphatic : EL50: 1 - 3 mg/l Exposure time: 72 h  
 Species: Pseudokirchneriella subcapitata (green algae)  
 Analytical monitoring: yes  
 Test Type: static test

**Toxicity to bacteria**

Toxicity to bacteria – Product : no data available

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations.

**14. TRANSPORT INFORMATION**

**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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**U.S. DOT - ROAD**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	CBL		III	
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**U.S. DOT - RAIL**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	CBL		III	
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**U.S. DOT - INLAND WATERWAYS**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	CBL		III	
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**TRANSPORT CANADA - ROAD**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**TRANSPORT CANADA - RAIL**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**TRANSPORT CANADA - INLAND WATERWAYS**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**INTERNATIONAL MARITIME DANGEROUS GOODS**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

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UN 1268	PETROLEUM DISTILLATES, N.O.S.	3	III
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3	III
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**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

UN 1268	DESTILADOS DE PETROLEO, N.E.P.	3	III
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\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

**15. REGULATORY INFORMATION**

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SARA Hazard Classification**

**SARA 311/312 Classification**

Fire Hazard

**New Jersey RTK Label Information**

Solvent naphtha (petroleum), medium aliphatic 64742-88-7

**Pennsylvania RTK Label Information**

Solvent naphtha (petroleum), medium aliphatic 64742-88-7

**Notification status**

United States TSCA Inventory y (positive listing)  
 Canadian Domestic Substances List (DSL) y (positive listing)

	<b>HMIS</b>	<b>NFPA</b>
Health	1*	1
Flammability	2	2
Physical hazards	0	
Instability		0
Specific Hazard	--	--

**16. OTHER INFORMATION**

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.