

### **1 – PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME:	MIL-PRF-372D
CHEMICAL NAME/	
CLASS/SYNONYMS:	Metal Protection, Rust preventive coating
PRODUCT NUMBER:	MIL-PRF-372D
UN/NA NUMBER:	1268
CHEMICAL FAMILY:	Metal Protection
CAS NUMBER:	Not applicable for mixtures.
FORMULA:	Proprietary
COMPANY:	JMN Specialties, Inc.
COMPANY:	JMN Specialties, Inc. 1100 Victory Drive – Westwego, Louisiana USA 70094
COMPANY:	• •
COMPANY:	1100 Victory Drive – Westwego, Louisiana USA 70094
	1100 Victory Drive – Westwego, Louisiana USA 70094 Phone (504) 341-3749, Fax (504) 341-5868
	1100 Victory Drive – Westwego, Louisiana USA 70094 Phone (504) 341-3749, Fax (504) 341-5868 <u>www.jmnspecialties.com</u>
	1100 Victory Drive – Westwego, Louisiana USA 70094 Phone (504) 341-3749, Fax (504) 341-5868 <u>www.jmnspecialties.com</u> CALL CHEMTEL: Toll Free US & Canada: (800) 255-3924, Outside USA +01-813-248-0585.

### 2 – HAZARDS IDENTIFICATION

#### **GHS HAZARD CLASSIFICATION:**

Physical Hazards
Flammable Liquids:Category 3 - Flammable liquid and vapor
Corrosive Liquids:No Hazard Statement established for this Product
Health Hazards
Acute Toxicity:Category 4 - Harmful if swallowed
Skin Corrosion/Irritation: Catagory 2 - Causes skin irritation
Eye Damage/Irritation:Catagory 2A - Causes eye irritation
Aspiration Hazard:Catagory 2 - May be harmful if swallowed and enters airways.
Carcinogen:Category 3 (Group A3) - Confirmed Animal Carcinogen with
Unknown Relevance to Humans
See Section 11 for additional Toxicological information

#### **EMERGENCY OVERVIEW:**

Pictograms:



Signal Word (GHS-US): .....DANGER!



#### Hazard Statements:

#### Physical Hazards (GHS-US):

No Hazard Statement established for this Product

### Health Hazards (GHS-US):

H305: May be harmful if swallowed and enters airways

### **Environmental Hazards (GHS-US):**

H402: Harmful to aquatic life

### Precautionary Statements (GHS-US):

P101+102+103: If medical advice is needed, have product container or label at hand. Keep out of the reach of children. Read label before use.

P202+233+270+280+281: Do not handle until all safety precautions have been read and understood. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. P264: Wash thoroughly after handling. P260: Do not breathe mist, vapors, spray. P273: Avoid release to the environment.

P233+P405: Keep container tightly closed. Store locked up.

### **Response Statements (GHS-US):**

P301+P316+P331: IF SWALLOWED: Get immediate emergency medical help. Do NOT induce vomiting. P302+352+P362+P363: IF ON SKIN: Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. P332+P317: IF SKIN irritation occurs: Get medical help. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P337+P317: IF eye irritation persists: Get medical help.

P501: Dispose of contents/container: Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations.

3 – COMPOSITION / INFORMATION ON INGREDIENTS		
HAZARDOUS INGREDIENT	PERCENT*	CAS NUMBER
Solvent naphtha, medium, aliphatic	90 - 97	64742-81-0
Calcium sulfonate	1 - 5	No Data Supplied by Manufacturer
Naphthalene	< 0.03	91-20-3

\*Any concentration shown as a range is to protect confidentiality or is due to batch variation. When not listed, mixtures may contain water [CAS No. 7732-18-5] to 100%.



## 4 – FIRST-AID MEASURES

BREATHING (INHALATION):	Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Seek medical attention immediately. Qualified medical personnel should consider administering oxygen.
SWALLOWING (INGESTION):	. Give large amounts of fresh water or milk immediately. Do not
	give anything by mouth if person is unconscious or otherwise unable to swallow. If vomiting occurs, keep head below hips to prevent aspiration. Treat symptomatically and supportively. Seek medical attention immediately.
EYES:	Flush eye with copious quantities of water. If persistent
	irritation occurs, obtain medical attention.
SKIN (DERMAL):	Remove contaminated clothing and wash affected skin with
	soap and water. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop.
NOTE TO PHYSICIAN:	.All treatments should be based on observed signs and
	symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Material, if aspirated into the lungs, may cause chemical pneumonitis. Skin contact may aggravate an existing dermatitis. Treat appropriately.

#### **5 – FIRE-FIGHTING MEASURES**

GENERAL FIRE HAZARDS: AUTOIGNITION TEMP: EXTINGUISHING MEDIA:	473°F (245°C) Determined by surrounding material. In case of fire, use water
	fog, dry chemical, $CO_2$ , or "alcohol" foam. Firefighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.
SPECIAL FIRE FIGHTING PROCEDURES:	Spilled product on ground may be slippery.
EXPLOSION HAZARDS:	Containers may explode from internal pressure if confined to fire. Cool with water spray. Vapor accumulation could flash or explode if in contact with an open flame.



## 6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:	Wear appropriate personal protective equipment before approaching spill site. For small spills, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable regulations.
WASTE DISPOSAL:	Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
RCRA STATUS:	If discarded in its purchased form, this product is considered a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24).

### 7 – HANDLING and STORAGE

STORAGE:	Keep in a tightly closed container, stored in a cool, dry,
	ventilated area below 44°C (110°F). Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain
	product residues (vapors, liquid); observe all warnings and precautions listed for the product. Drum must not be washed out or used for other purposes.
HANDLING:	Avoid contact with eyes, skin and clothing. Do not inhale vapors and fumes. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. For industrial use only.



## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **OCCUPATIONAL EXPOSURE LIMITS**

HAZARDOUS INGREDIENT Solvent naphtha, medium, aliphatic Calcium sulfonate Naphthalene

PEL 500 ppm None Established 10 ppm

**TLV-TWA** 100 ppm None Established 10 ppm



EXPOSURE CONTROLS:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Please refer to the ACGIH document, <i>Industrial Ventilation, A Manual of Recommended Practices</i> , most recent edition, for details.
<b>RESPIRATORY PROTECTION:</b>	If engineering controls do not maintain airborne concentrations
RESPIRATORY PROTECTION	below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information. Self-Contained Breathing Apparatus may be
	required for use in confined or enclosed spaces.
PROTECTIVE CLOTHING:	Eye/face protection: Wear chemical goggles; face shield (if
ADDITONAL MEASURES:	splashing is possible). <b>Skin protection:</b> Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron or chemical suit and chemical resistant boots are recommended. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.



# 9 – PHYSICAL / CHEMICAL PROPERITES

BOILING POINT:	298°F (148°C)
FREEZING POINT:	< 0°F (< -17°C)
FLASHPOINT:	<b></b> > 100°F (> 38°C)
UPPER FLAME LIMIT (%):	<b></b> 7.0%
LOWER FLAME LIMIT (%):	1.0%
VAPOR PRESSURE:	> 1 mm of Hg (@ 20°C)
VAPOR DENSITY (AIR=1):	4.9
SPECIFIC GRAVITY:	<b></b> 0.84 - 0.85
рН:	NA
SOLUBILITY IN WATER:	Negligible
VOLATILITY	
INCLUDING WATER:	7.0 - 7.1 pounds per gallon
MOLECULAR WEIGHT:	No data available
EVAPORATION RATE:	ND
PHYSICAL STATE:	Liquid
COLOR:	Amber to Brown
ODOR:	Mild hydrocarbon

#### **10 – STABILITY and REACTIVITY**

STABILITY: .....Stable HAZARDOUS DECOMP.: .....Will not occur INCOMPATIBILITY: .....Oxidizers or Oxidizing Materials. HAZARDOUS REACTIONS:......Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

### 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE:	100 ppm
OSHA PEL:	500 ppm None Established
LISTED CARCINOGEN:	. Solvent Naphtha (8008-20-6): ACGIH: A3 - Confirmed Animal
	Carcinogen with Unknown Relevance to Humans. Naphthalene
	(91-20-3): ACGIH: A4 - Not Classifiable as a Human Carcinogen /
	NTP: Reasonably Anticipated to be a Human Carcinogen
	(Possible Select Carcinogen) / IARC: Monograph B2 (2002)
	Group 2B: Possibly Carcinogenic to Humans.
MEDICAL CONDITION	
AGGRAVATED:	. Existing dermatitis.



### INFORMATION ON ACUTE TOXICOLOGICAL EFFECTS

#### ORAL

Product: ......Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of this product may result in central nervous system depression including headache, weakness, dizziness, loss of coordination and judgement and coma. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death. Ingestion of this product may cause diarrhoea & stomach discomfort – not a route of industrial exposure.

#### DERMAL

**Product:** .....Considered to be practically non-toxic based on single contact testing with little immedate effect. Skin contact may aggravate existing dermatitis. INHALATION

Product: .....Aspiration Respiratory Organs Hazard: The major health threat of ingestion occurs from the danger of aspiration

(breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia

(fluid in the lungs,) severe lung damage, respiratory failure, and even death.

#### **REPEATED DOSE TOXICITY**

**Product:** .....Product is a amber to brown flammable liquid with typical aliphatic sovlent odor. Chronic exposure is harmful by inhalation, when in contact with the skin and if it is swallowed. Liquid and vapor may be irritating to the eyes, skin and respiratory system. Product may cause central nervous system (CNS) depression characterized by nausea, dizziness, headache, lack of coordination, loss of consciousness and coma. Exposure of pregnant rats during gestation to toluene at levels of 250 ppm and higher produces some maternal toxicity and feto toxicity.

#### **SKIN CORROSION / IRRITATION**

Product: ......Repeated and prolonged exposure to concentrated material may cause dermatitis.

#### **SERIOUS EYE DAMAGE / IRRITATION**

Product: ......This product may cause severe burning sensation with temporary irritation and swelling of eyelids. Vapors may also produce eye irritation. Chronic exposure may result in cataracts and reduces visual reaction time.

#### **RESPIRATORY OR SKIN SENSITIZATION**

**Product:** .....Not expected to be sensitizing based on tests of this product, components, or similar products.

#### MUTAGENCITY

IN VITRO Product: IN VIVO	No Data Available
Product:	No Data Available
Specified Substance(s)	Information as provided by manufacturer
Naphtha	Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.
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#### CARCINOGENICITY

**Product:** ......IARC has classified some ingredients in this product as possibly carcinogenic to humans (Group 2B). IARC regards it prudent to treat a material for which there is sufficient evidence of carcinogenicity in animals as if it is possibly carcinogenic in humans. Intermittent or occasional skin contact with this product is not expected to have serious health effects as long as good personal hygiene measures, such as those outlined in the Safety Data Sheet, are followed.

#### **REPODUCTIVE TOXICITY**

**Product:** .....Based on available data the classification criteria are not met. Not classified as hazardous.

#### SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE

#### SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE

**Product:** ......The effects of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposure. This product may aggravate existing eye, skin, and respiratory conditions.

#### ASPIRATION HAZARD

**Product:** ......Droplets of the product aspirated into the lungs through ingestion or vomiting may cause chemical pneumonia.

#### OTHER ADVERSE EFFECTS



### **12 – ECOLOGICAL INFORMATION**

#### ACUTE TOXICITY

#### FISH

**Product:** ......No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

#### **AQUATIC INVERTEBRATES**

**Product:** .....No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

#### CHRONIC TOXICITY

FISH

#### AQUATIC INVERTEBRATES

#### TOXICITY TO AQUATIC PLANTS

**Product:** .....No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

#### PERSISTENCE AND DEGRADABILITY

#### BIODEGRADATION

Product: .....Readily Biodegradable.

#### **BIOLOGICAL OXYGEN DEMAND**

Product: .....No data available

#### CHEMICAL OXYGEN DEMAND

Product: .....No data available

#### **BOD / COD RATIO**

Product: .....No data available

#### **BIOACCUMULATIVE POTENTIAL**

#### **MOBILITY IN SOIL**

Product: ......Not expected to partition to sediment and wastewater solids. RESULTS OF PBT AND mPvB ASSESSMENT

**Product:** ......Not fulfilling PBT (persistent/bio accumulative/toxic) criteria. Not fulfilling vPvB (very persistent, very bio accumulative) criteria.

#### **OTHER ADVERSE EFFECTS**

**Product:** .....No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential or global warming potential) are expected from this product.



### **13 – DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL:	Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local
RCRA STATUS:	requirements. If discarded in its purchased form, this product is considered a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24).

#### **14 – TRANSPORTATION INFORMATION**

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.





### **15 - REGULATIONS**

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. This SDS complies with 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD). **IMPORTANT:** Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

#### EPA SRA Title III Chemical Listings:

TSCA STATUS:	This product is listed on the TSCA inventory. If this product is a
	blend, all ingredients in the product are listed on the TSCA
	Inventory List. Any impurities present in this product are
	exempt from listing.

SECTION 302:	None
SECTION 304:	None
SECTION 312:	None
SARA SECTION 313:	None
ACUTE:	Yes
CHRONIC:	No
FIRE:	Yes
PRESSURE:	No
REACTIVE:	No
CLEAN WATER ACT:	None

#### IMDG – International Marine Dangerous Goods Code

UN1268, Petroleum Distillates, n.o.s., Contains (Solvent naphtha) 3, PGIII. EmS F-E, S-E. Marine Pollutant: Yes. Static Accumulator: Yes.

### ΙΑΤΑ

UN1268, Petroleum Distillates, n.o.s., Contains (Solvent naphtha) 3, PGIII.

DEA Chemical Trafficking Act: ..No

**Homeland Security Regulated ..** This product does not contain any reportable DHS chemicals.

California Proposition 65.....Contains ingredients Known/Likely, to be Carcinogenic to humans by the state of California Component......Naphthalene CAS 91-20-3, < 0.03%

Cal Prop 65 NSRL.....No Significant Risk Level



มร	State	<b>Right</b> t	o Know	(RTK)
05	June	INISHUU		(1) 1 1)

**Component.....**Naphthalene CAS 91-20-3, < 0.03%

Massachusetts ......Yes \*\*

New Jersey ......Yes \*\*

Pennsylvania .....Yes \*\* Illinois .....Yes \*\*

Rhode Island.....Yes \*\*

\*\*RTK Chemical(s) ......Naphthalene CAS 91-20-3, < 0.03%

Canada NPRI .....Naphthalene CAS 91-20-3, < 0.03%

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): All ingredients in this product are listed on the DSL. Any impurities present in this product are exempt from listing.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): All ingredients in this product are listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): All ingredients in this product are listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): All ingredients in this product are listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.KE-04134 Philippines Inventory (PICCS): All ingredients in this product are listed on the Philippine Inventory or otherwise complies with PICCS.

Inventory of Existing Chemical Substances in China: All ingredients in this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).



#### **16 – OTHER INFORMATION**

HMIS*				
HEALTH		1		
FLAMMABILITY		2		
REACTIVITY		0		
PERSONAL PROTECTION	ON	С		

**\*HMIS®HAZARD INDEX: 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard.** HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS and product label must be considered.

ND = No Data, NA = Not Applicable/Not Available,  $\leq$  = Less than or equal to,  $\geq$  = Greater than or equal to

**REVISION STATEMENT:** Changes have been made throughout this Safety Data Sheet (SDS). Please read the entire document. Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and The Globally Harmonized System of Classification and Labeling of Chemicals (GHS) by the Company Health and Risk Assessment Unit.

#### DISCLAIMER:

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving this Safety Data Sheet (SDS) will make their own determination as to its suitability for their intended purposes prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal and State Regulations concerning the Product. It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

\*\*\*This is the last page of this SDS\*\*\*