



# Safety Data Sheet (BRAKE CLEANER 49)

## 1 – PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** .....BRAKE CLEANER 49  
**CHEMICAL NAME/**  
**CLASS/SYNONYMS:** .....Solvent Blend, Brake Dust Remover, Degreaser  
**PRODUCT NUMBER:** .....BRAKE CLEANER 49  
**UN/NA NUMBER:** .....1993  
**CHEMICAL FAMILY:** .....Petroleum Solvent  
**CAS NUMBER:** .....Not applicable for mixtures.  
**FORMULA:** .....A complex stream of predominately C9 to C12 hydrocarbons;  
exact composition will vary.

**COMPANY:** .....JMN Specialties, Inc.  
1100 Victory Drive – Westwego, Louisiana USA 70094  
Phone (504) 341-3749, Fax (504) 341-5868  
[www.jmnspecialties.com](http://www.jmnspecialties.com)  
**EMERGENCY PHONE:** .....CALL CHEMTEL: Toll Free US & Canada: (800) 255-3924, Outside  
USA +01-813-248-0585.  
**DATE PREPARED:** .....January 18, 2021

## 2 – HAZARDS IDENTIFICATION

### GHS HAZARD CLASSIFICATION:

#### Physical Hazards

**Flammable Liquids:** .....Category 1 - Extremely flammable liquid and vapor

**Corrosive Liquids:** .....No Hazard Statement established for this Product

#### Health Hazards

**Acute Toxicity (Oral):** .....Category 4 - Harmful if swallowed, in contact with skin, inhaled

**Skin Corrosion/Irritation:** .....Category 2 - Causes skin irritation

**Eye Damage/Irritation:** .....Category 2A - Causes eye irritation

**Aspiration Hazard:** .....Category 1 - May be fatal if swallowed and enters airways

**Carcinogen:** .....Group 2B - The agent (mixture) is possibly carcinogenic to  
humans

See Section 11 for additional Toxicological information

### EMERGENCY OVERVIEW:

Pictograms:



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



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## Hazard Statements:

### Physical Hazards (GHS-US):

H224: Extremely flammable liquid and vapor

### Health Hazards (GHS-US):

H304 May be fatal if swallowed and enters airways. H312 + H332 Harmful in contact with skin or if inhaled. H315 Causes skin irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure.

### Environmental Hazards (GHS-US):

H411: Toxic to aquatic life with long lasting effects

### Precautionary Statements (GHS-US):

P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe dust/fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection. P281 Use personal protective equipment as required.

### Response Statements (GHS-US):

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. P308 + P313 IF exposed or concerned: Get medical advice/attention. P331 Do NOT induce vomiting. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. P391 Collect spillage. P501: Dispose of contents/container: Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations, and product characteristics at time of disposal.

**TOTAL VOC's:**.....6.13 pounds per gallon

## 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT*	CAS NUMBER
n-Heptane	63 - 68	64742-49-0
Xylene	19 - 21	64742-49-0
Acetone	63 - 68	64742-49-0

\*Any concentration shown as a range is to protect confidentiality or is due to batch variation.



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### 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:** ..... Extremely Flammable liquid and vapor
- AUTOIGNITION TEMP:**..... 608°F (320°C)
- EXTINGUISHING MEDIA:**..... Determined by surrounding material. In case of fire, use water fog, dry chemical, CO<sub>2</sub>, 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.
- UNUSUAL FIRE AND 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.



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### 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.



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### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS INGREDIENT	PEL	TLV-TWA
n-Heptane	OSHA TWA 400 ppm; ACGIH TWA 500 ppm	OSHA TWA 400 ppm; ACGIH TWA 500 ppm
Xylene	ACGIH 100 ppm TWA; 150 ppm STEL; NIOSH 100 ppm TWA; 435 mg/m3 TWA 900 ppm; OSHA PEL 100 ppm TWA; 435 mg/m3 TWA	ACGIH 100 ppm TWA; 150 ppm STEL; NIOSH 100 ppm TWA; 435 mg/m3 TWA 900 ppm; OSHA PEL 100 ppm TWA; 435 mg/m3 TWA
Acetone	OSHA PEL 1000 ppm, TWA; ACGIH TLV 500 ppm, TWA, 750 ppm	OSHA PEL 1000 ppm, TWA; ACGIH TLV 500 ppm, TWA, 750 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, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

**RESPIRATORY PROTECTION:**.....If engineering controls do not maintain airborne concentrations 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.



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**PROTECTIVE CLOTHING:**..... **Eye/face protection:** Wear chemical goggles; face shield (if splashing is possible). **Skin protection:** 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.

**ADDITIONAL MEASURES:**..... 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 PROPERTIES

**BOILING POINT:**..... 205 - 241°F (96 - 116°C)

**FREEZING POINT:**..... - 99°F (- 73°C)

**FLASHPOINT:** .....19 - 32°F (-7 - 0°C)

**UPPER FLAME LIMIT (%):**.....8.0 % (V)

**LOWER FLAME LIMIT (%):**.....0.8% (V)

**VAPOR PRESSURE:** .....30.75 mm/hg at 20.0°C

**VAPOR DENSITY (AIR=1):**.....3.3 (Air = 1)

**SPECIFIC GRAVITY:** .....0.75

**pH:** .....NA

**SOLUBILITY IN WATER:**.....Negligible

#### **VOLATILITY**

**INCLUDING WATER:** .....6.13 pounds per gallon

**MOLECULAR WEIGHT:**.....No data available (G/MOLE)

**EVAPORATION RATE:** .....No Data

**PHYSICAL STATE:**.....Liquid

**COLOR:** .....Clear

**ODOR:** .....Petroleum odor (Slight)

### 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).



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### 11 – TOXICOLOGICAL INFORMATION

**THRESHOLD LIMIT VALUE:**.....100 ppm

**OSHA PEL:**.....100 ppm

**LISTED CARCINOGEN:**.....2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)

No toxicity to reproduction. No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments.

#### MEDICAL CONDITION

**AGGRAVATED:**..... Existing dermatitis.

#### INFORMATION ON ACUTE TOXICOLOGICAL EFFECTS

##### ORAL

**Product:** .....Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

##### DERMAL

**Product:** .....This product is a skin irritant. It may be absorbed through the skin. It may cause irritation, dermatitis, drying of skin, and numbness in fingers and arms. May increase severity of symptoms listed under inhalation.

##### INHALATION

**Product:** .....High vapor/aerosol concentrations are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

##### REPEATED DOSE TOXICITY

**Product:** .....No data available for the mutagenic, teratogenic, or reproductive effects of the property. No data to designate product to cause specific target organ toxicity through repeated exposure.

##### SKIN CORROSION / IRRITATION

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

##### SERIOUS EYE DAMAGE / IRRITATION

**Product:** .....This material is an eye irritant. It may cause irritation, redness, stinging, tearing, excessive swelling of the conjunctiva; and or excessive blinking.

##### RESPIRATORY OR SKIN SENSITIZATION

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



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### MUTAGENICITY

#### IN VITRO

**Product:** .....No Data Available

#### IN VIVO

**Product:** .....No Data Available

#### Specified Substance(s)

#### Information as provided by manufacturer

Xylene

No Data Available

### CARCINOGENICITY

**Product:** .....Group 2B: Possibly carcinogenic to humans.

### REPRODUCTIVE TOXICITY

**Product:** .....No data available for the mutagenic, teratogenic, or reproductive effects of the property.

#### SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE

**Product:**..... **GENERAL:** Solvent vapors may be irritating to skin and eyes.

**INHALATION:** High concentrations of vapor may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, possibly with chest pain and coughing. **NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. **EYES:** May cause mild to severe irritation experienced as discomfort or pain, excess blinking and tear production, possibly with marked redness and swelling of the conjunctiva. **SKIN:** Brief contact may cause slight irritation with itching and local redness. Prolonged contact may cause more severe irritation, with discomfort or pain. **SWALLOWING:** May cause headache, dizziness, nausea, vomiting, diarrhea, coma, and death.

#### 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

**Product:** .....Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances. Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).





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## 12 – ECOLOGICAL INFORMATION

### ACUTE TOXICITY

#### FISH

**Product:** .....LC50 (Oncorhynchus mykiss (rainbow trout)): 8.2 mg/l Exposure time: 96 h Test Type: semi-static test.

#### AQUATIC INVERTEBRATES

**Product:** .....EC50 (Daphnia magna (Water flea)): 4.5 mg/l Exposure time: 48 h Test Type: Immobilization.

### CHRONIC TOXICITY

#### FISH

**Product:** Toxic to fish. Estimated based on individual component values.

#### AQUATIC INVERTEBRATES

**Product:** .....Toxic to aquatic life with long lasting effects.

#### TOXICITY TO AQUATIC PLANTS

**Product:** .....EC50 (Pseudokirchneriella subcapitata (green algae)): 3.7mg/l Exposure time: 96 h Test Type: static test.

### PERSISTENCE AND DEGRADABILITY

#### BIODEGRADATION

**Product:** .....Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

#### BIOLOGICAL OXYGEN DEMAND

**Product:** .....No data available

#### CHEMICAL OXYGEN DEMAND

**Product:** .....No data available

#### BOD / COD RATIO

**Product:** .....No data available

#### BIOACCUMULATIVE POTENTIAL

**Product:** .....Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

#### MOBILITY IN SOIL

**Product:** .....Negligible

#### RESULTS OF PBT AND mPvB ASSESSMENT

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



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### 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 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).

### 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.*



**UN/NA NUMBER:**.....1993

**PROPER SHIPPING NAME:**..... Flammable Liquid, n.o.s. Contains (Heptane, Xylene, Acetone)

**HAZARD CLASS:**.....3

**PACKAGING GROUP :**.....II

**LETTER:**.....F (Highly flammable)

**ENVIRONMENTAL HAZARD:** .....Because of modern treatment methods or method of use of this product, only an insignificant amount of the ingredients reaches the environment. That amount is at such levels as to typically not cause any adverse effects.

**REPORTABLE QUANTITY:**.....Mixed Xylenes, cas# 1330-20-7, RQ 100#.



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## 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:** .....No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SECTION 304:** .....This material does not contain any components with a section 304 EHS RQ.

**SECTION 312:** .....Yes

**SARA SECTION 313:** .....This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**ACUTE:** .....Yes

**CHRONIC:** .....Yes

**FIRE:** .....Yes

**PRESSURE:** .....No

**REACTIVE:** .....No

**CLEAN WATER ACT:** .....None

### **IMDG – International Marine Dangerous Goods Code**

UN1993, Flammable Liquid, n.o.s. Contains (Heptane, Xylene, Acetone), 3, PG II. EMS-No: F-E S-E. Marine pollutant: Yes.

### **IATA**

UN1993, Flammable Liquid, n.o.s. Contains (Heptane, Xylene, Acetone), 3, PG II.

**DEA Chemical Trafficking Act:** ..No

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

**California Proposition 65** .....This product contains the following Proposition 65 chemicals:

**Component** .....Xylene CAS# 1330-20-7, Ethylbenzene CAS# 100-41-4

**Cal Prop 65** ..... Known to the State of California to be a carcinogen.

**Cal Prop 65 NSRL** .....Chronic Reference Exposure Levels

**Category** ..... Known to the State of California to be a carcinogen.



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### US State Right to Know (RTK)

**Component**.....Xylene CAS# 1330-20-7, Ethylbenzene CAS# 100-41-4

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

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

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

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

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

**\*\*RTK Chemical(s)** .....Xylene CAS# 1330-20-7, Ethylbenzene CAS# 100-41-4

**Canada NPRI** .....Xylene CAS# 1330-20-7, Ethylbenzene CAS# 100-41-4

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).



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### 16 – OTHER INFORMATION

#### HMIS\*

HEALTH	1
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	H

*\*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, ≤ = Less than or equal to, ≥ = 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\*\*\***