



Safety Data Sheet (AIR COOLER CLEANER 6864)

1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... AIR COOLER CLEANER 6864

CHEMICAL NAME/

CLASS/SYNONYMS:..... Solvent Degreaser

PRODUCT NUMBER: AIR COOLER CLEANER 6864

UN/NA NUMBER: 1992

CHEMICAL FAMILY: Solvent

CAS NUMBER: Not applicable for mixtures.

FORMULA: Proprietary

COMPANY:..... **JMN Specialties, Inc.**

1100 Victory Drive – Westwego, Louisiana USA 70094

Phone (504) 341-3749, Fax (504) 341-5868

www.jmnspecialties.com

EMERGENCY PHONE: CALL CHEMTEL: Toll Free US & Canada: (800) 255-3924, Outside
USA +01-813-248-0585.

DATE PREPARED: February 28, 2019

2 – HAZARDS IDENTIFICATION

GHS HAZARD CLASSIFICATION:

Physical Hazards

Flammable Liquids:..... . No hazard statement

Health Hazards

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

Skin Corrosion/Irritation: Category 2 - Causes skin irritation

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

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

WARNING LABEL ITEMS INCLUDING PRECAUTIONARY STATEMENTS:

Pictograms:



SIGNAL WORD:..... DANGER!

GHS HAZARD AND PRECAUTIONARY STATEMENTS:

H303 H313 H333: May be harmful if swallowed, in contact with skin or if inhaled

H341: Suspected of causing genetic defects

H350: May cause cancer

H371: May cause damage to organs

H315: Causes skin irritation

H319: Causes serious eye irritation

H351: Suspected of causing cancer

H412: Harmful to aquatic life with long lasting effects



Safety Data Sheet (AIR COOLER CLEANER 6864)

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+270+280+281: Do not handle until all safety precautions have been read and understood. 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.

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

P281: Use personal protective equipment as required

P201: Obtain special instructions before use

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

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: 8.95 pounds per gallon

3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
Methylene Chloride (Dichloromethane)	55 - 65	75-09-2
C ₉ to C ₁₂ hydrocarbon mixture	25 - 35	67891-79-6
Linear Alcohol Ethoxylate	10 - 15	34398-01-1

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.



Safety Data Sheet (AIR COOLER CLEANER 6864)

NOTE TO PHYSICIAN: Dichloromethane is metabolized in the body producing carbon monoxide which increases and sustains carboxyhemoglobin levels in the blood, reducing the oxygen-carrying capacity of the blood., Acts as a simple asphyxiant by displacing air., anesthetic effects, Difficulty in breathing, Headache, Dizziness, Prolonged or repeated contact with skin may cause:, defatting, Dermatitis, Contact with eyes can cause:, Redness, Blurred vision, Provokes tears., Effects due to ingestion may include:, Gastrointestinal discomfort, Central nervous system depression, Paresthesia., Drowsiness, Convulsions, Conjunctivitis., Pulmonary edema. Effects may be delayed., Irregular breathing., Stomach/intestinal disorders, Nausea, Vomiting, Increased liver enzymes, weakness. Heavy or prolonged skin exposure may result in the absorption of harmful amounts of material. Abdominal pain. 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.

5 – FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS: Flammable liquid and vapor

AUTOIGNITION TEMP:..... 598°F (314°C)

EXTINGUISHING MEDIA: Determined by surrounding material. In case of fire, use water fog, dry chemical, CO₂, 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.

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).



Safety Data Sheet (AIR COOLER CLEANER 6864)

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	PEL	TLV-TWA
Methylene Chloride (Dichloromethane)	50 ppm	50 ppm
C ₉ to C ₁₂ hydrocarbon mixture	10 ppm	10 ppm
Linear Alcohol Ethoxylate	None Established	None Established



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.

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.



Safety Data Sheet (AIR COOLER CLEANER 6864)

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:..... IBP 270°F (132°C)
FREEZING POINT: < 0°F (< -17°C)
FLASHPOINT:..... No Data Available
UPPER FLAME LIMIT (%): 7.2%
LOWER FLAME LIMIT (%): ... 1.0%
VAPOR PRESSURE: No data available
VAPOR DENSITY (AIR=1):..... > 1 (Air = 1)
SPECIFIC GRAVITY: 1.17 - 1.18
pH: NA
SOLUBILITY IN WATER:..... 10%
VOLATILITY
INCLUDING WATER: 9.82 pounds per gallon
MOLECULAR WEIGHT: No data available (G/MOLE)
EVAPORATION RATE: No data available
PHYSICAL STATE: Liquid
COLOR: Clear
ODOR:..... Sharp Solvent

10 – STABILITY and REACTIVITY

STABILITY: Stable
HAZARDOUS DECOMP.:..... Will not occur
INCOMPATIBILITY: Alkali metals, Aluminum, Strong oxidizing agents, Bases, Amines, Magnesium, Strong acids and strong bases, Vinyl compounds.
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:.. 10 ppm based on lowest ingredient in mixture
OSHA PEL:..... 10 ppm based on lowest ingredient in mixture
LISTED CARCINOGEN:..... Limited evidence of carcinogenicity in animal studies. Suspected human carcinogens. IARC: 2B - Group 2B: Possibly carcinogenic to humans (Methylene chloride). NTP: Reasonably anticipated to be a human carcinogen(Methylene chloride). OSHA: OSHA specifically regulated carcinogen (Methylene chloride).
MEDICAL CONDITION
AGGRAVATED: Current available data does not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.



Safety Data Sheet (AIR COOLER CLEANER 6864)

INFORMATION ON ACUTE TOXICOLOGICAL EFFECTS

ORAL

Product:..... If ingested call a POISON CENTER or doctor/physician immediately.

DERMAL

Product:..... Prolonged or repeated skin contact may cause mild to severe irritation. Skin contact may aggravate existing dermatitis.

INHALATION

Product:..... Inhalation may cause severe irritation, coughing. Prolonged or repeated overexposure by inhalation may cause headache, nausea, drowsiness.

REPEATED DOSE TOXICITY

Product:..... No Data Available

SKIN CORROSION / IRRITATION

Product:..... Repeated and prolonged exposure to concentrated material may cause dermatitis and possible allergic skin reaction.

SERIOUS EYE DAMAGE / IRRITATION

Product:..... Eye contact with product may cause mild to severe irritation, possible chemical burns, or eye damage.

RESPIRATORY OR SKIN SENSITIZATION

Product:..... May cause an allergic skin reaction.

MUTAGENICITY

IN VITRO

Product:..... No Data Available

IN VIVO

Product:..... No Data Available

Specified Substance(s)

Information as provided by manufacturer

Dichloromethane

No Data Available

CARCINOGENICITY

Product:..... This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification. Probable human carcinogen.

REPRODUCTIVE TOXICITY

Product:..... Chronic Effects on Humans: **CARCINOGENIC EFFECTS:** Classified + (Proven.) by OSHA. Classified 2B (Possible for human.) by IARC. Causes damage to the following organs: lungs, the nervous system, liver, mucous membranes, central nervous system (CNS). **Other Toxic Effects on Humans:** Very hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (irritant, permeator).

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE

Product: **INHALATION:** High concentrations of vapor may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, with chest pain and coughing. Headache, nausea, vomiting, dizziness, and drowsiness may occur. **EYES:** Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with marked excess 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:** Poison, toxic. May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea, and general weakness. **MAY BE FATAL IF SWALLOWED.**



Safety Data Sheet (AIR COOLER CLEANER 6864)

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:..... Overexposures have been known to produce liver damage in animal studies. Fetotoxicity and embryotoxicity in the presence of maternal toxicity has been shown to occur in rabbits at a high doses.

12 – ECOLOGICAL INFORMATION

ACUTE TOXICITY

FISH

Product:..... LC50 - Pimephales promelas (fathead minnow) - 193 mg/L- 96.0 h;
NOEC - Cyprinodon variegatus (sheepshead minnow) - 130 mg/l - 96 h.

AQUATIC INVERTEBRATES

Product:..... EC50 - Daphnia magna (Water flea) - 1,682.00 mg/l - 48 h.

CHRONIC TOXICITY

FISH

Product:..... There is no information available at this time for this product. However, a spill may produce significant toxicity to aquatic organisms and ecosystems.

AQUATIC INVERTEBRATES

Product:..... There is no information available at this time for this product. However, a spill may produce significant toxicity to aquatic organisms and ecosystems.

TOXICITY TO AQUATIC PLANTS

Product:..... LC50 - Pseudokirchneriella subcapitata (green algae) - 1,450 mg/L - 96 h.

PERSISTENCE AND DEGRADABILITY

BIODEGRADATION

Product:..... Result: < 26 % - Not readily biodegradable. (OECD Test Guideline 301C)

BIOLOGICAL OXYGEN DEMAND

Product:..... No data available

CHEMICAL OXYGEN DEMAND

Product:..... No data available

BOD / COD RATIO

Product:..... No data available

BIOACCUMULATIVE POTENTIAL

Product:..... Because Methylene chloride evaporates easily, if it is released to the environment during production and use, most of it eventually reaches the air. Methylene chloride that reaches groundwater may be difficult to remediate. Methylene chloride is has low acute toxicity to aquatic organisms; lethal concentrations are generally greater than 100 mg/L.

MOBILITY IN SOIL

Product:..... NOT expected to partition to water.



Safety Data Sheet (AIR COOLER CLEANER 6864)

RESULTS OF PBT AND mPvB ASSESSMENT

Product:..... No data available.

OTHER ADVERSE EFFECTS

Product: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

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.

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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: 1992

PROPER SHIPPING NAME:..... Flammable liquid, toxic n.o.s. (Hydrocarbon Mixture, Dichloromethane)

HAZARD CLASS:..... 3, 6.1

PACKAGING GROUP :..... III

LETTER:..... T (Toxic)

ENVIRONMENTAL HAZARD: The potential mobility of Dichloromethane in the soil is high. Very little Dichloromethane breaks down in soil, and it can pass through the soil into underground water. There is no evidence of significant bioaccumulation or biomagnification.

REPORTABLE QUANTITY:..... Based on Dichloromethane: CAS # 75-09-2 in mixture: 1500 Lbs. (680 Kilograms).



Safety Data Sheet (AIR COOLER CLEANER 6864)

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:..... Yes

SARA SECTION 313:..... Based on Dichloromethane: CAS # 75-09-2 in mixture: 1500 Lbs. (680 Kilograms).

ACUTE:..... Yes (Eyes)

CHRONIC: Yes

FIRE: No

PRESSURE: No

REACTIVE:..... No

CLEAN WATER ACT: Yes

IMDG – International Marine Dangerous Goods Code

Flammable liquid, toxic n.o.s. (Hydrocarbon Mixture, Dichloromethane), 3, 6.1, PGIII. EMS-No: F-E, S-D, Marine pollutant: No

IATA

Flammable liquid, toxic n.o.s. (Hydrocarbon Mixture, Dichloromethane), 3, 6.1, PGIII.

DEA Chemical Trafficking Act:.. No



Safety Data Sheet (AIR COOLER CLEANER 6864)

16 – OTHER INFORMATION

HMIS*

HEALTH	2
FLAMMABILITY	0
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*****