



Safety Data Sheet (ASTM D1193 TYPE IV WATER)

1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... ASTM D1193 TYPE IV WATER

CHEMICAL NAME/

CLASS/SYNONYMS:..... None

PRODUCT NUMBER: ASTM D1193 TYPE IV WATER

UN/NA NUMBER: None

CHEMICAL FAMILY: WATER

CAS NUMBER: 7732-18-5

FORMULA: H₂O

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

1100 Victory Drive – Westwego, Louisiana USA 70094

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

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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): No hazard statement

Skin Corrosion/Irritation: No hazard statement

Serious Eye Damage/Irritation: No hazard statement

Aspiration Hazard:..... . No hazard statement

WARNING LABEL ITEMS INCLUDING PRECAUTIONARY STATEMENTS:

Pictograms:



SIGNAL WORD:..... WARNING!

GHS HAZARD AND PRECAUTIONARY STATEMENTS:

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.



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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. 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.

TOTAL VOC's: None

3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
DEIONIZED WATER	100	7732-18-5

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):..... Generally the product does not irritate the skin.

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.

5 – FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS: Water based blend - Non Flammable

AUTOIGNITION TEMP:..... None - Will convert to steam above 212°F (100°C)

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

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.



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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, it is not 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. Observe all warnings and precautions listed for the product. Drum must not be washed out or used for other purposes.

HANDLING:..... No special measures required.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS INGREDIENT	PEL	TLV-TWA
DEIONIZED WATER	None Established	None Established



EXPOSURE CONTROLS:..... Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

RESPIRATORY PROTECTION: Not required.

PROTECTIVE CLOTHING: No further relevant information available.

ADDITIONAL MEASURES: Handle in accordance with good industrial hygiene and safety practice.



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9 – PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT:..... 212°F (100°C)
FREEZING POINT: 32°F (0°C)
FLASHPOINT:..... Non-flammable material
UPPER FLAME LIMIT (%): NA
LOWER FLAME LIMIT (%): ... NA
VAPOR PRESSURE:..... 23 hPa (17 mm Hg)
VAPOR DENSITY (AIR=1):..... 1.27 g/l
SPECIFIC GRAVITY: 1.00
pH: ~ 7
SOLUBILITY IN WATER:..... Complete
VOLATILITY
INCLUDING WATER: 8.345 pound per gallon
MOLECULAR WEIGHT: NA
EVAPORATION RATE:..... Similar to Water
PHYSICAL STATE: Liquid
COLOR: Clear
ODOR:..... None

10 – STABILITY and REACTIVITY

STABILITY: Stable
HAZARDOUS DECOMP.:..... Will not occur
INCOMPATIBILITY: Avoid water sensitive materials, strong alkalines, acids, oxidizers.
HAZARDOUS REACTIONS: Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

11 – TOXICOLOGICAL INFORMATION

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. **ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. **NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. **OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

THRESHOLD LIMIT VALUE:.. None Established for this Product
OSHA PEL:..... None Established for this Product
LISTED CARCINOGEN: This product IS NOT listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA.

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.



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INFORMATION ON ACUTE TOXICOLOGICAL EFFECTS

ORAL

Product:..... None

DERMAL

Product:..... None

INHALATION

Product:..... None

REPEATED DOSE TOXICITY

Product:..... None

SKIN CORROSION / IRRITATION

Product:..... None

SERIOUS EYE DAMAGE / IRRITATION

Product:..... None

RESPIRATORY OR SKIN SENSITIZATION

Product:..... None

MUTAGENICITY

IN VITRO

Product:..... No Data Available

IN VIVO

Product:..... No Data Available

Specified Substance(s)

Information as provided by manufacturer

Water

No Data Available

CARCINOGENICITY

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

REPRODUCTIVE TOXICITY

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

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE

Product:..... When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE

Product:..... When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

ASPIRATION HAZARD

Product:..... Supply fresh air; consult doctor in case of complaints.

OTHER ADVERSE EFFECTS

Product:..... No data available

12 – ECOLOGICAL INFORMATION

ACUTE TOXICITY

FISH

Product:..... No further relevant information available.

AQUATIC INVERTEBRATES

Product:..... No further relevant information available.



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CHRONIC TOXICITY

FISH

Product: No data available

AQUATIC INVERTEBRATES

Product: No data available

TOXICITY TO AQUATIC PLANTS

Product: No further relevant information available.

PERSISTENCE AND DEGRADABILITY

BIODEGRADATION

Product: No further relevant information available.

BIOLOGICAL OXYGEN DEMAND

Product: No data available

CHEMICAL OXYGEN DEMAND

Product: No data available

BOD / COD RATIO

Product: No data available

BIOACCUMULATIVE POTENTIAL

Product: No further relevant information available.

MOBILITY IN SOIL

Product: Expected to partition to water.

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 data available

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: None
PROPER SHIPPING NAME: Non-Regulated
HAZARD CLASS:..... None
PACKAGING GROUP :..... None
LETTER:..... None
ENVIRONMENTAL HAZARD: None
REPORTABLE QUANTITY: None

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:..... No
CHRONIC: No
FIRE: No
PRESSURE:..... No
REACTIVE:..... No
CLEAN WATER ACT: None

IMDG – International Marine Dangerous Goods Code

Class Non Regulated - Possible Shipping Description(s): Non Regulated

IATA

Class Non Regulated - Possible Shipping Description(s): Non Regulated

DEA Chemical Trafficking Act:.. No

16 – OTHER INFORMATION

HMIS*

HEALTH		0
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION		A

**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



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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.**

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