

1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:.....SPEC BREAK 701

CHEMICAL NAME/

CLASS/SYNONYMS:......Hydrocarbon Demulsifier

PRODUCT NUMBER:.....SPEC BREAK 701

UN/NA NUMBER:.....1993

CHEMICAL FAMILY:Solvent and Surfactant Blend **CAS NUMBER:**Not applicable for mixtures.

FORMULA: Mixture

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: May 3, 2022

2 - HAZARDS IDENTIFICATION

GHS HAZARD CLASSIFICATION:

Physical Hazards

Flammable Liquids:.....Category 2 - Highly flammable liquid and vapor Corrosive Liquids:.....No Hazard Statement established for this Product

Health Hazards

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

Skin Corrosion/Irritation:Catagory 2 - Causes skin irritation **Eye Damage/Irritation:**Catagory 2A - Causes eye irritation

Aspiration Hazard:Catagory 1 - May be fatal if swallowed and enters airways **Carcinogen:**Category 2 - Evidence from animal and/or human studies is

limited 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!



Hazard Statements:

Physical Hazards (GHS-US):

H226: Flammable liquid and vapor

Health Hazards (GHS-US):

H303 H313 H333: May be harmful if swallowed, in contact with skin or if inhaled. H304: May be fatal if swallowed and enters airways. H335: May cause respiratory irritation. H340: May cause genetic defects. H351: Suspected of causing cancer. H361: Suspected of damaging fertility or the unborn child. H372: Causes 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):

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.

P201+P202+P210+P233+P240+P241+P242+P243+P260+P264+ P271+P273+P280: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist, vapors, spray. Wash exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves, protective clothing, eye protection, face protection. P233+P403: Keep container tightly closed. Store in a well ventilated place. P405: Store locked up.

Response Statements (GHS-US):

P301+P310+P330+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. P303+P310+P361+P353: IF ON SKIN (or hair): Gently wash with plenty of soap and water. Remove / Take off immediately all contaminated clothing. P332+P313: If skin irritation occurs: Get medical advice / attention. P304+P340+P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P305+P351+P338+337+P313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention. P362+P363 Take off contaminated clothing. Wash contaminated clothing before reuse.

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:......7.92 pounds per gallon



3 – COMPOSITION / INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENT | PERCENT* | CAS NUMBER |
|--|----------|-------------------|
| Isopropanol | 15 - 20 | 67-63-0 |
| Cyclohexylamine | 8 - 12 | 108-91-8 |
| Xylene | 15 - 20 | 1330-20-7 |
| Naphthalenesulfonic acid, bis(1-methylethyl)-, | 35 - 40 | 99811-86-6 |
| Me derivs | | |
| Heavy Aromatic Naphtha | 5 - 10 | 64742-94-5 |
| Naphthalene | 1 - 5 | 91-20-3 |

^{*}Any concentration shown as a range is to protect confidentiality or is due to batch variation. When not listed, mixtures are added with 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:Flammable liquid and vapor **AUTOIGNITION TEMP:** 598°F (314°C) Estimated

EXTINGUISHING MEDIA:..... 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. **Suitable**

extinguishing media: Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Unsuitable extinguishing media: High volume water jet. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed

containers.

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.

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.

requirements.

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:.....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 | PEL | TLV-TWA |
|--|---------|---------|
| Isopropanol | 400 ppm | 400 ppm |
| Cyclohexylamine | 10 ppm | 10 ppm |
| Xylene | 100 ppm | 100 ppm |
| Naphthalenesulfonic acid, bis(1-methylethyl)-, | 1 mg/m3 | 1 mg/m3 |
| Me derivs | | |
| Heavy Aromatic Naphtha | 100 ppm | 100 ppm |
| Naphthalene | 10 ppm | 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, 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.

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.

ADDITONAL 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 PROPERITES

BOILING POINT:...... 270°F (132°C) Estimated

FREEZING POINT:..... - 70°F (-56°C)

UPPER FLAME LIMIT (%):.....7.2% **LOWER FLAME LIMIT (%):.....**1.0% **VAPOR PRESSURE:< 1 VAPOR DENSITY (AIR=1):.....**5.1

SPECIFIC GRAVITY: 0.95 - 0.96

pH:NA

SOLUBILITY IN WATER:....Negligible

VOLATILITY

INCLUDING WATER:7.92 pounds per gallon



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

EVAPORATION RATE:.....5.4 PHYSICAL STATE:....Liquid COLOR:Dark Brown ODOR:Aromatic solvent

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:......1 mg/m3 based on lowest compondent in blend

OSHA PEL:....10 ppm

LISTED CARCINOGEN:....This product contains severely hydrotreated hydrocarbons.

Severely hydrotreated napthenic petroleum oil has not been found to be carcinogenic or a potenial carcinogen. No component of this product present at levels greater than or

equal to 0.1% is on OSHA's list of regulated carcinogens.

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

irritation. Skin contact may aggravate existing dermatitis.

INHALATION

Product:High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) 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 effects, including death.

REPEATED DOSE TOXICITY

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



SKIN CORROSION / IRRITATION

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

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

MUTAGENCITY

| IN | VITRO | |
|----|----------|-------------------|
| | Product: | No Data Available |
| IN | VIVO | |
| | Product: | No Data Available |

Specified Substance(s) Information as provided by manufacturer

Naphthalene Reasonably Anticipated To Be A Human Carcinogen

CARCINOGENICITY

Product:This product contains trace amounts of Naphthalene CAS 91-20-3 and Cumene CAS 98-82-8 which are reasonably anticipated to be human carcinogens.

REPODUCTIVE TOXICITY

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

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE

Product:Based on product or component testing, long term repeated exposure may cause damage to the following: Target Organs: Auditory organs, Eyes, Blood, Estimated based on individual component values.

ASPIRATION HAZARD

death.

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



OTHER ADVERSE EFFECTS

Product:To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Handle in accordance with good industrial hygiene and safety practice.

12 – ECOLOGICAL INFORMATION

| ACUTE TOXICITY |
|---|
| FISH |
| Product:Toxic to fish. Estimated based on individual component values. |
| AQUATIC INVERTEBRATES |
| Product:Toxic to aquatic organisms. Estimated based on individual |
| component values. |
| CHRONIC TOXICITY |
| FISH |
| Product: Not determined. Keep product out of sewers and waterways. |
| AQUATIC INVERTEBRATES |
| Product: Not determined. Keep product out of sewers and waterways. |
| TOXICITY TO AQUATIC PLANTS |
| Product: Toxic to algae. Estimated based on individual component |
| values. |
| PERSISTENCE AND DEGRADABILITY |
| BIODEGRADATION |
| Product: This material is not expected to be 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 |
| Product: Highly volatile, will partition rapidly to air. Not expected to |
| partition to sediment and wastewater solids. |
| MOBILITY IN SOIL |
| Product:Expected to partition to water. |
| 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

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.

HAZARD CLASS:.....3
PACKAGING GROUP:......

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:.....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: | Yes |
| SARA SECTION 313: | Yes |
| ACUTE: | Yes |
| CHRONIC: | Yes |
| FIRE: | Yes |
| PRESSURE: | No |
| REACTIVE: | No |
| | |

CLEAN WATER ACT:.....The following Hazardous Substances are listed under the U.S.

CleanWater Act, Section 311, Table 116.4A: 91-20-3 Naphthalene, 71-43-2 Benzene. The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3: 91-20-3 Naphthalene, 71-43-2 Benzene. This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307 91-20-3 Naphthalene.

IMDG – International Marine Dangerous Goods Code

UN1993, Flammable Liquid, N.O.S. Contains (Xylene, Aromatic Distillates, Isopropanol), 3, PG III. EMS-No: F-E S-E. Marine pollutant: Yes (Napthalene).

IATA

UN1993, Flammable Liquid, N.O.S. Contains (Xylene, Aromatic Distillates, Isopropanol), 3, PG III.

DEA Chemical Trafficking Act: ..No

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



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

| US State Right to Know (RTK) Component98-06-6 Butylbenzene, tert-, 105-05-5 1,4-Diethylbenzene, 91- | | | |
|---|--|--|--|
| 20-3 Naphthalene, 95-63-6 1,2,4-trimethylbenzene, 141-93-5 Benzene 1,3-diethyl-, 98-82-8 | | | |
| **Cumene, 71-43-2 Benzene. | t difficulty is contained and in the contained are different to the contained and the contained are different to the contain | | |
| Massachusetts | .Yes ** | | |
| New Jersey | .Yes ** | | |
| Pennsylvania | | | |
| Illinois | | | |
| Rhode Island | | | |
| **RTK Chemical(s) | .98-06-6 Butylbenzene, tert-, 105-05-5 1,4-Diethylbenzene, 91- 20-3 Naphthalene, 95-63-6 1,2,4-trimethylbenzene, 141-93-5 Benzene 1,3-diethyl-, 98-82-8 **Cumene, 71-43-2 Benzene. | | |
| Canada NPRI | .91-20-3 Naphthalene, 98-82-8 Cumene, 71-43-2 Benzene. | | |

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

| HEALTH | 2 | |
|--------------|---|--|
| FLAMMABILITY | 3 | |
| REACTIVITY | 0 | |

PERSONAL PROTECTION

HMIS*

*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.

Н

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