

SAFETY DATA SHEET

TMC-19 Vacuum Pump Fluid

SECTION 1: IDENTIFICATION

1.1. Product identifier:

Trade name: TMC-19 Vacuum Pump Fluid
Other names / Synonyms: Distillates (petroleum), solvent-dewaxed heavy paraffinic
Product no.: 2029, 2029-B, 2029-2.2, 2029-7, 2029-36, 2029-395
Other means of identification: CAS No.: 64742-65-0

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses of the substance or mixture: Vacuum Pumps
Restricted to professional users.
Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet:

Company and address: TMC Industries, Inc.
1423 Mill Lane
Waconia, Minnesota 55387
USA
TF: +1 (800) 772-8179
www.tmcindustries.com

Contact person: Nick Hansen
E-mail: sales@tmcindustries.com
SDS date: 1/8/2025
SDS Version: 5.0
Date of previous version: 12/10/2024 (4.0)

1.4. ▼ Emergency telephone number:

VeolocityEHS 1-800-255-3924 (Contract#: MIS8157133) within the US, Canada, Puerto Rico and the U.S. Virgin Islands. If outside those areas, call 1-813-248-0585 (Contract#: MIS8157133).

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture:

Not classified according to HCS (29 CFR 1910.1200)

2.2. Label elements:

Hazard pictogram(s): Not applicable.
Signal word: Not applicable.
Hazard statement(s):
Precautionary statement(s):
General: -
Prevention: -
Response: -
Storage: -
Disposal: Refer to the manufacturer/supplier for information on disposal/ recovery/ recycling. (P503)

Additional labelling: Not applicable.

2.3. Other hazards:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

| Product/substance | Identifiers | % w/w | Classification | Note |
|---|---------------------|-------|----------------|------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | CAS No.: 64742-65-0 | 100% | 1, HHNOC066 | |

3.2. Mixtures:

Not applicable. This product is a substance.

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information:

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SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures:

| | |
|-----------------------------|--|
| General information: | If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink. |
| Inhalation: | In case of discomfort: bring the person into fresh air. |
| Skin contact: | Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance. |
| Eye contact: | Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help. |
| Ingestion: | Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet. |
| Burns: | Not applicable. |

4.2. Most important symptoms and effects, both acute and delayed:

None known.

4.3. Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

Information to medics:

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture:

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters:

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Contaminated areas may be slippery.

6.2. Environmental precautions:

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up:

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections:

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities:

Recommended storage material: Always store in containers of the same material as the original container.

Liquid class: Combustible Liquid / Class IIIB (NFPA 30)

Storage conditions: Dry, cool and well ventilated
Keep container tightly closed

Incompatible materials: Keep Away from heat, sparks and open flame

7.3. Specific end use(s):

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

8.2. Exposure controls:

Apply general control to prevent unnecessary exposure

General recommendations: Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.

Exposure limits: Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures: Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures: Wash hands after use.
Measures to avoid environmental exposure: No specific requirements.



Individual protection measures, such as personal protective equipment:

Generally: Use only protective equipment with a recognized certification mark, e.g. the UL mark.



Respiratory Equipment:
No specific requirements

Skin protection:
No specific requirements.

Hand protection:

| Work situation | Material | Glove thickness (mm) | Breakthrough time (min.) | Standards | |
|-----------------------------|---------------------------|----------------------|--------------------------|-----------|---|
| | Chemical Resistant gloves | | | |  |
| If in contact with forearms | Gauntlet style gloves | | | |  |

Eye protection:

| Type | Standards | |
|----------------|-----------|---|
| Face shield | EN166 |  |
| Safety glasses | EN166 |  |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Physical state: Liquid
Color: Light Yellow
Odor: Mild
Odor threshold (ppm): No data available
pH: Not applicable
Density (g/cm³): No relevant or available data due to the nature of the product.
Kinematic viscosity: 59 centistokes (104 °F)
Particle characteristics: No data available

Phase changes:

Melting point/freezing point (°F): No data available
Softening point/range (°F): Does not apply to liquids.
Boiling point (°F): 740-990
Boiling point (°C): 393-532
Vapor pressure: 1X10⁻⁵ Torr (77 °F)
Relative vapor density: No data available
Decomposition temperature No data available

(°F):

Data on fire and explosion hazards:

| | |
|---------------------------------|---|
| Flash point (°F): | 455 |
| Flash point (°C): | 235 |
| Flammability (°F): | No relevant or available data due to the nature of the product. |
| Auto-ignition temperature (°F): | >600 |
| Auto-ignition temperature (°C): | >315 |
| Explosion limits (% v/v): | No data available |

Solubility:

| | |
|---------------------------------------|---|
| Solubility in water: | No data available |
| n-octanol/water coefficient (LogKow): | No data available |
| Solubility in fat (g/L): | No relevant or available data due to the nature of the product. |

9.2. Other information:

| | |
|--|---|
| Evaporation rate (n-butylacetate = 100): | No data available |
| Other physical and chemical parameters: | No data available. |
| Molecular Weight (g/mol): | 511 |
| Oxidizing properties: | No relevant or available data due to the nature of the product. |

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

No data available.

10.2. Chemical stability:

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies:

None known.

10.4. Conditions to avoid:

None known.

10.5. Incompatible materials:

Keep in properly labeled containers
Comply with laws.

10.6. Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

Respiratory sensitisation:

Based on available data, the classification criteria are not met.

Skin sensitisation:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Due to the viscosity, this product does not present an aspiration hazard.

Long term effects:

None known.

Other information:

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

No data available.

12.2. Persistence and degradability:

Based on available data, the classification criteria are not met.

12.3. Bioaccumulative potential:

Based on available data, the classification criteria are not met.

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and vPvB assessment:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:

This material can be reclaimed by TMC Industries. Contact TMC for more information.

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261):

None of the components are listed

Specific labelling:

Contaminated packing:

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other informatio n: |
|------|-----------------|---------------------------------|--------------------------|-------------|---------------|---------------------------|
| DOT | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

* Packing group

** Environmental hazards

Additional information:

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user:

Not applicable.

14.7. Transport in bulk according to IMO instruments:

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

15.2. U.S. Federal regulations:

TSCA (the non-confidential portion): Distillates (petroleum), solvent-dewaxed heavy paraffinic is listed

Clean Air Act: None of the components are listed

EPCRA Section 302: None of the components are listed

EPCRA Section 304: None of the components are listed

EPCRA section 313: None of the components are listed

CERCLA: None of the components are listed

Hazardous chemical inventory reporting: This product is not subject to Tier II reporting.

State regulations:

California / Prop. 65: None of the components are listed

Massachusetts / Right To Know Act: None of the components are listed

New Jersey / Right To Know Act: None of the components are listed

New York / Right To Know Act: None of the components are listed

Pennsylvania / Right To Know Act: None of the components are listed

15.4. Restrictions for application:

Restricted to professional users.

15.5. Demands for specific education:

No specific requirements.

15.6. Additional information:

Not applicable.

15.7. Chemical safety assessment:

No

15.8. Sources:

OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

Repeated exposure may cause skin dryness or cracking, Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1:

None known.

Abbreviations and acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances

EPCRA = Emergency Planning and Community Right-To-Know Act

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HCIS = Hazardous Chemical Information System

HNOC = Hazards Not Otherwise Classified

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

("Marpol" = marine pollution)

NFPA = National Fire Protection Association

NIOSH = National Institute for Occupational Safety and Health

OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

PBT = Persistent, Bioaccumulative and Toxic

RCRA = Resource Conservation and Recovery Act

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SARA = Superfund Amendments and Reauthorization Act

SCL = A specific concentration limit.

STEL = Short-term exposure limits

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TSCA = The Toxic Substances Control Act

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information:

In accordance with HCS (29 CFR 1910.1200(g)), a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information.

The safety data sheet is validated by:

TMC Industries, Inc. - QC Department

Other:

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle. The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en