

MT-705 Diffusion Pump Fluid

Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : MT-705 Diffusion Pump Fluid

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

Use of the substance/mixture : Pump Fluid

1.3. Details of the supplier of the safety data sheet

Specialty Fluids Company
27305 W. Live Oak Road, #1208
Castaic, CA 91384

1.4. Emergency telephone number

Emergency number : 800-431-4993

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-KR classification

Eye Irrit. 2A H319

2.2. Label elements

GHS-KR labelling

Hazard pictograms (GHS-KR) :



GHS07

Signal word (GHS-KR) : Warning

Hazard statements (GHS-KR) : H319 - Causes serious eye irritation

Precautionary statements (GHS-KR) : P264 - Wash ... thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	GHS-KR classification
Trisiloxane, 1,3,5-trimethyl-1,1,3,5,5-pentaphenyl-	(CAS No) 3390-61-2	95 - 100	Eye Irrit. 2A, H319
Phenyl methyl siloxane	(CAS No) 63148-58-3	1 - 5	Not classified
Disiloxane, 1,3-dimethyl-1,1,3,3-tetraphenyl-	(CAS No) 807-28-3	<= 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : No specific first aid necessary for this route of exposure.

First-aid measures after skin contact : No specific first aid necessary for this route of exposure.

First-aid measures after eye contact : Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if discomfort persists.

First-aid measures after ingestion : None should be needed. Seek medical attention if large amounts are swallowed.

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

Symptoms/injuries after inhalation : None under normal use.

Symptoms/injuries after skin contact : None under normal use.

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Symptoms/injuries after eye contact : Causes serious eye irritation.
Symptoms/injuries after ingestion : Low ingestion hazard in normal use.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None known.
Explosion hazard : None known.

5.3. Advice for firefighters

Protection during firefighting : Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Determine whether to evacuate or isolate the area according to your local emergency plan. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
Methods for cleaning up : Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. You will need to determine which federal, state and local laws and regulations are applicable.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use with adequate ventilation. Traces of benzene (carcinogen) may form if heated in air above 300 F (149 C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Avoid eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Use reasonable care and store away from oxidizing materials.

7.3. Specific end use(s)

Pump Fluid

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : None required under normal product handling conditions. Traces of benzene (carcinogen) may form if heated in air above 300 F (149 C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures.
Hand protection : None required under normal product handling conditions.
Eye protection : Safety glasses.
Skin and body protection : Wear suitable working clothes.

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Respiratory protection : None required under normal product handling conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear white to yellow
Odor	: Odorless.
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 240 °C
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Specific gravity	: 1.097 @ 25 °C
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity	: 190 cSt
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Oxidizing material can cause a reaction.

10.6. Hazardous decomposition products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

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Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

In accordance with ADR / IATA / ICAO / IMDG

14.1. UN number

Not a dangerous good in sense of transport regulations

14.2. UN proper shipping name

Not applicable

SECTION 15: Regulatory information

15.1. Korearegulations

Disiloxane, 1,3-dimethyl-1,1,3,3-tetraphenyl- (807-28-3)

Listed on the Korean ECL (Existing Chemical List) inventory.

Trisiloxane, 1,3,5-trimethyl-1,1,3,5,5-pentaphenyl- (3390-61-2)

Listed on the Korean ECL (Existing Chemical List) inventory.

15.2. International regulations

United States

Disiloxane, 1,3-dimethyl-1,1,3,3-tetraphenyl- (807-28-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Trisiloxane, 1,3,5-trimethyl-1,1,3,5,5-pentaphenyl- (3390-61-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CANADA

Disiloxane, 1,3-dimethyl-1,1,3,3-tetraphenyl- (807-28-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Trisiloxane, 1,3,5-trimethyl-1,1,3,5,5-pentaphenyl- (3390-61-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

Disiloxane, 1,3-dimethyl-1,1,3,3-tetraphenyl- (807-28-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Trisiloxane, 1,3,5-trimethyl-1,1,3,5,5-pentaphenyl- (3390-61-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

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Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2A

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

Disiloxane, 1,3-dimethyl-1,1,3,3-tetraphenyl- (807-28-3)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

Trisiloxane, 1,3,5-trimethyl-1,1,3,5,5-pentaphenyl- (3390-61-2)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
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Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

SECTION 16: Other information

Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.