

# OTTO CHEMIE PVT LTD

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ISO 9001: 2015

## MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical Product and Company Identification

Polytetrafluoroethylene

Code P 2058

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
0-00-0	Polydimethylsiloxane Polymers	~20.0	unlisted
9002-84-0	Inert Fluorocarbons	~13.0	204-126-9
144-55-8	Sodium bicarbonate	<1.0	205-633-8
7365-45-9	Hepes	<1.0	230-907-9
7732-18-5	Water	Balance	231-791-2

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: red. Caution! May cause irritation. The toxicological properties of this material have not been fully investigated.

Target Organs: None known.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: No information found.

### Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid if irritation develops or persists. Rinse area with large amounts of water for at least 15 minutes.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.

Get medical aid immediately.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use agent most appropriate to extinguish fire.

Flash Point: Not available.

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

### Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

### Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Polydimethylsiloxane Polymers	none listed	none listed	none listed
Inert Fluorocarbons	none listed	none listed	none listed
Sodium bicarbonate	none listed	none listed	none listed

Hepes none listed none listed none listed  
Water none listed none listed none listed

OSHA Vacated PELs: Polydimethylsiloxane Polymers: No OSHA Vacated PELs are listed for this chemical. Inert Fluorocarbons: No OSHA Vacated PELs are listed for this chemical. Sodium bicarbonate: No OSHA Vacated PELs are listed for this chemical. Hepes: No OSHA Vacated PELs are listed for this chemical. Water: No OSHA Vacated PELs are listed for this chemical.

#### Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

### Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: red

Odor: odorless

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: 100 deg C

Freezing/Melting Point: Not available.

Decomposition Temperature: Not available.

Solubility: Not available.

Specific Gravity/Density: 1.08

Molecular Formula: Not available.

Molecular Weight: Not available.

### Section 10 - Stability and Reactivity

Chemical Stability: Stable.

Conditions to Avoid: None reported.

Incompatibilities with Other Materials: None.

Hazardous Decomposition Products: None.

Hazardous Polymerization: Will not occur.

### Section 11 - Toxicological Information

RTECS#:

CAS# 0-00-0 unlisted.

CAS# 9002-84-0: KX4025000

CAS# 144-55-8: VZ0950000

CAS# 7365-45-9: TL6809000

CAS# 7732-18-5: ZC0110000

LD50/LC50:

Not available.

Not available.

CAS# 144-55-8:

Draize test, rabbit, eye: 100 mg/30S Mild;

Oral, mouse: LD50 = 3360 mg/kg;

Oral, rat: LD50 = 4220 mg/kg;

CAS# 7365-45-9:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg;

Carcinogenicity:

CAS# 0-00-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 9002-84-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 144-55-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7365-45-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

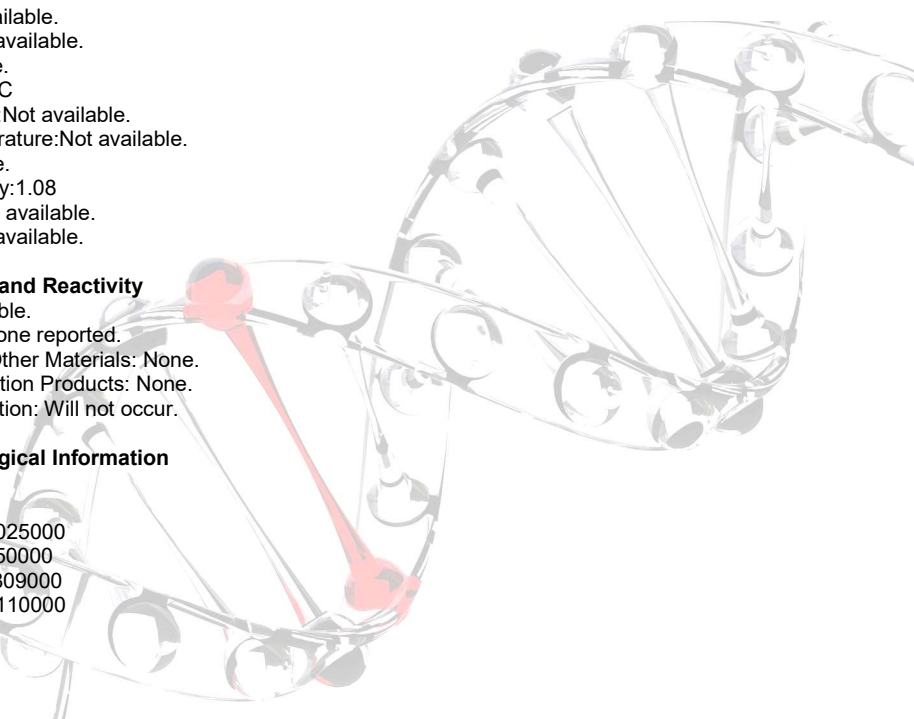
Neurotoxicity: No data available.

Mutagenicity: No data available.

Other Studies: No data available.

### Section 12 - Ecological Information

No information available.



### Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

### Section 14 - Transport Information

US DOT Canada TDG

Shipping Name: No information available. No information available.

Hazard Class:

UN Number:

Packing Group:

### Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 0-00-0 is not listed on the TSCA inventory. It is for research and development use only.

CAS# 9002-84-0 is listed on the TSCA inventory.

CAS# 144-55-8 is listed on the TSCA inventory.

CAS# 7365-45-9 is listed on the TSCA inventory.

CAS# 7732-18-5 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 0-00-0: acute, reactive. CAS # 7365-45-9: acute.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 0-00-0 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 9002-84-0 can be found on the following state right to know lists: Pennsylvania.

CAS# 144-55-8 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7365-45-9 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 0-00-0: No information available.

CAS# 9002-84-0: 0

CAS# 144-55-8: 0

CAS# 7365-45-9: No information available.

CAS# 7732-18-5: No information available.

Canada - DSL/NDL

CAS# 9002-84-0 is listed on Canada's DSL List.

CAS# 144-55-8 is listed on Canada's DSL List.

CAS# 7365-45-9 is listed on Canada's DSL List.  
CAS# 7732-18-5 is listed on Canada's DSL List.  
Canada - WHMIS  
This product has a WHMIS classification of Not controlled..  
Canadian Ingredient Disclosure List

**Section 16: Other Information**

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

