INDOMET PENTA

Diffusion Pump Fluid

0.	**Safety Data Sheet**	**This product is registered in accordance with the EU REACH regulation** **According to REACH/CLP and GHS regulation, no safety data sheet is required for this product**
0.1	Version:	3.1.3
0.2	Revision Date:	2026-01-07
0.3	Superseded date:	all versions with older date
0.4	Accordance with:	Commission Regulations (EU) 2020/878 of 18 June 2020
		Globally Harmonized System (GHS) 0773/2021, Decree 1496 of 2018
1.	**IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY**	
1.1	Product Trade name: Index No .: EC No .: REACH registration No.: CAS No .:	 **INDOMET** PENTA 222-222-9 01-2120766406-49-0001 3390-61-2
1.2	Relevant identified uses of the substance or mixture Relevant identified uses: Uses advised against:	Silicone oil for diffusion pumps for industrial use only
1.3	Details of the supplier providing the safety data sheet	**INDOMET** GmbH Amelunxenstrasse 13 48167 Muenster Germany email: support.office@indomet.com phone: +49 2506 30 79 750
1.4	**Emergency Phone Number** (National helpdesks have been established as the first point of contact for questions related to the BPR, CLP and REACH regulations. They can give you advice in your own language and are aware of local conditions that can be relevant for the correct compliance with these regulations.)	 https://echa.europa.eu/support/helpdesks
2.	**HAZARDS IDENTIFICATION**	
2.1	Classification of the substance or mixture according to Regulation (EC) No 1272/2008 according to GHS	 Classified as not dangerous
2.2	Label elements according to Regulation (EC) no. 1272/2008 Pictogram: Signal word: Hazardous ingredients for labeling contains: Hazard statements: Safety instructions: Further label elements:	 not any not any not any not any not any not any
2.3	Other Hazards	not known
3.	**COMPOSITION / INFORMATION ON INGREDIENTS**	
3.1	Chemical characterization	silicone oil
3.2	Compounds	
4.	**FIRST AID MEASURES**	

4.1	Description of First Aid Measures:	Description of first aid measures Protection of first-aiders: No special precautions are necessary for first aid responders. If inhaled: inhaled, remove to fresh air. Get medical attention if symptoms occur. In case of skin contact: Wash with water and soap as a precaution. Get medical attention if symptoms occur. In case of eye contact: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists. If swallowed: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
4.2	Important accute and deferred symptons	None
4.3	Refers to medical first aid or special treatment	None
5.	**FIRE-FIGHTING MEASURES**	
5.1	Suitable extinguishing media	Suitable extinguishing media: Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Unsuitable extinguishing media: None known.
5.2	Hazards during fire fighting	Exposure to combustion products may be a hazard to health. Hazardous combustion products: Carbon oxides Silicon oxides Formaldehyde
5.3	Advice for firefighters	Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment. Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
6.	**ACCIDENTAL RELEASE MEASURES**	
6.1	Personal precautions, protective equipment and emergency procedures	danger of slipping due to leaking / spilled product.
6.2	Environmental precautions	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
6.3	Methods and materials for containment and cleaning up	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this materia.
6.4	Reference to other paragraphs	none
7.	**HANDLING AND STORAGE**	
7.1	Advice on safe handling	Avoid eye contact. General ventilation is recommended. Do not empty into drains.
7.2	Advice on storage	Keep in properly labelled containers. Store in accordance with the particular national regulations. Do not store with with strong oxidizing agents
7.3	Specific uses	Industrial application. Fluid for diffusion pumps
8.	**EXPOSURE CONTROLS / PERSONAL PROTECTION**	
8.1	Control parameters	none
8.2	Exposure controls	Technical controls: Ensure adequate ventilation Personal protective equipment Eye and face protection: Wear safety goggles. Skin and body protection: suitable protective clothing. Wearing safety gloves. Respiratory protection: none under normal use conditions
9.	**PHYSICAL AND CHEMICAL PROPERTIES**	

9.1	Information about the basic chemical and physical properties	Form: Liquid Colour : Clear Odour : None Boiling point (0.5 mbar) : >245 °C Flash point : > 240°C Explosive properties : No Specific Gravity : 1.1 Viscosity : 165-185 cSt at 25°C Oxidizing properties: No
9.2	Other information	None
10.	**STABILITY AND REACTIVITY**	
10.1	Reactivity	Not classified as a reactivity hazard.
10.2	Stability	Stable under normal usage conditions.
10.3	Possibility of hazardous reactions	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents.
10.4	Conditions to avoid	None established
10.5	Materials to avoid	Oxidizing agents
10.6	Hazardous decomposition products	Benzene, Formaldehyde
11.	**TOXICOLOGICAL INFORMATION**	
11.1	Toxicity: □ Acute toxicity: □ Skin corrosion/irritation: □ Serious eye damage/irritation: □ Respiratory or skin sensitisation □ germ cell mutagenicity; □ carcinogenicity; □ reproductive toxicity; □ Summary of evaluation of the CMR properties; □ STOT-single exposure; □ STOT-repeated exposure; □ aspiration hazard:	Product poses no risk in the form of acute toxicity, according to known or available information.
12.	**ECOLOGICAL INFORMATION**	
12.1	Ecotoxicity effects	No adverse effects on aquatic organisms.
12.2	Persistence and degradability	Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.
12.3	Bioaccumulation	No bioaccumulation potential.
12.4	Release to waters / Mobility in soil	Fate and effects in waste water treatment plants: Removed > 90% by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.
12.5	Results of PBT and vPvB assessment	none; This substance is not considered to be persistent, bioaccumulative and toxic (PBT) considered. This preparation does not contain substances classified as persistent, bioaccumulative and toxic apply (PBT). this material is not very persistent or very bioaccumulative (vPvB) considered. This preparation does not contain substances classified as very persistent or very bioaccumulative (Sps) apply.
12.6	Other adverse effects	none
13.	**DISPOSAL CONSIDERATIONS**	
13.1	Product and packaging disposal	Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
14.	**TRANSPORT INFORMATION**	
14.1	UN Number	not a hazardous material
14.2	UN proper shipping name	not a hazardous material
14.3	Transportation hazard classes	Road / Rail Transport (ADR / RID): - Not subject to ADR / RID. Sea transport (IMDG): - Not subject to IMDG code. Air transport (IATA): - Not subject to IATA.
14.4	Packing Group	none
14.5	Environmental hazards	none
14.6	Special precautions for user	none
14.7	Bulk according to Annex II of MARPOL 73/78 and the IBC Code	none
15.	**REGULATORY INFORMATION**	

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	none
15.2		
16.	**Other information**	
16.1		Prepared by: **INDOMET** GmbH 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.
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