

DRAWN UP BY	VERSION N.	DATE	SUPERSEDES SDS DATED
R.F.	7	27/08/15	11/06/14

1. Identification of the substance/preparation and of the company

Identification of the substance or preparation:	SW60
Type of product and use:	Oil for vacuum pumps.
Company identification:	D.V.P. Vacuum Technology S.p.a. Via Rubizzano, 627 40018 San Pietro in Casale (BO) ITALY Tel.: +39.051.188.971.11 Fax: +39.051.188.971.70 www.dvp.it e-mail: info@dvp.it
Telephone Nr.:	+39.051.188.971.11

2. Hazards identification

Classification of the substance or mixture	
Classification (REGULATION (EC) No 1272/2008)	Not a hazardous substance or mixture.
Classification (67/548/EEC, 1999/45/EC)	Not a hazardous substance or mixture.
Label elements	
Labelling (REGULATION (EC) No 1272/2008)	Not a hazardous substance or mixture.
Other hazards	None known.

3. Composition/information on ingredients

Mixtures	
Hazardous components	
Remarks:	No hazardous ingredients

4. First-aid measures

Description of first aid measures	
If inhaled:	Move to fresh air. Artificial respiration and/or oxygen may be necessary. Seek medical advice.
In case of skin contact:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Seek medical advice.
In case of eye contact:	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
If swallowed:	Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice.
Most important symptoms and effects, both acute and delayed	
Risks:	First aider needs to protect himself.
Indication of any immediate medical attention and special treatment needed	

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5. Fire-fighting measures	
Extinguishing media	
Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	No information available.
Special hazards arising from the substance or mixture	
Specific hazards during firefighting:	Cool closed containers exposed to fire with water spray.
Hazardous combustion products:	Carbon oxides (CO, CO ₂), nitrogen oxides (NO _x), sulphur oxides (SO _x), hydrocarbons, smoke and irritating vapours as products of incomplete combustion.
Advice for firefighters	
Further information:	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures	
Personal precautions, protective equipment and emergency procedures	
Personal precautions:	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions. Mark the contaminated area with signs and prevent access to unauthorized personnel. Only qualified personnel equipped with suitable protective equipment may intervene.
Environmental precautions	
Environmental precautions:	If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and material for containment and cleaning up	
Methods for cleaning up:	Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.
Reference to other sections	For personal protection see section 8.

7. Handling and storage	
Precautions for safe handling	
Advice on safe handling:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Keep away from heat and sources of ignition. Keep container closed when not in use.
Advice on protection against fire and explosion:	None known.
Hygiene measures:	Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

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Conditions for safe storage, including any incompatibilities	
Requirements for storage areas and containers:	Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.
Specific end use(s)	

8. Exposure controls/personal protection

Control parameters	
Exposure controls	
Engineering measures	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Personal protective equipment	
Eye protection:	Wear face-shield and protective suit for abnormal processing problems.
Hand protection material:	neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).
Remarks:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Skin and body protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Respiratory protection:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Filter type:	organic vapour filter
Protective measures:	Wash hands and face before breaks and immediately after handling the product. Wash contaminated clothing before re-use. Ensure that eyewash station and safety shower are proximal to the work-station location.

9. Physical and chemical properties

Information on basic physical and chemical properties	
Appearance:	viscous liquid
Colour:	Pale yellow to crystal clear.
Odour:	Slight petroleum oil like.
Odour Threshold:	No data availabl.
pH:	No data available
Pour point:	-15°C (5°F)
Boiling point/boiling range:	No data available
Flash point:	225 °C (437 °F) Method: Cleveland open cup
Fire Point:	No data available
Auto-Ignition Temperature:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	Low fire hazard. This material must be heated before ignition will occur.

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Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	0.8652 kg/l (15 °C / 59 °F)
Solubility(ies)	
Water solubility:	insoluble
Partition coefficient: noctanol/water:	No data available
Viscosity	
Viscosity, kinematic:	55 cSt (40 °C / 104 °F) 7.6 cSt (100 °C / 212 °F)
Explosive properties:	Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Other information	No data available

10. Stability and reactivity

Reactivity	
Chemical stability	
Possibility of hazardous reactions	
Hazardous reactions:	Hazardous polymerisation does not occur. Stable under normal conditions.
Conditions to avoid	
Conditions to avoid:	No data available
Incompatible materials	
Materials to avoid:	Reactive with oxidising agents, reducing agents, acids and alkalis.
Hazardous decomposition products	
Hazardous decomposition products:	May release COx, diphenylamine, smoke and irritating vapours when heated to decomposition.

11. Toxicological information

Information on toxicological effects	
Information on likely routes of exposure:	Eye contact Ingestion Inhalation Skin contact
Acute toxicity	
Product:	
Acute oral toxicity:	Remarks: No data available
Acute inhalation toxicity:	Remarks: No data available
Acute dermal toxicity:	Remarks: No data available
Skin corrosion/irritation	
Product:	Remarks: No data available
Serious eye damage/eye irritation	
Product:	Remarks: No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration toxicity	No data available

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12. Ecological information

Toxicity	
Product:	
Toxicity to fish:	Remarks: No data available
Toxicity to daphnia and other aquatic invertebrates:	Remarks: No data available
Toxicity to algae:	Remarks: No data available
Toxicity to bacteria:	Remarks: No data available
Persistence and degradability	
Product:	Remarks: No data available
Biodegradability	
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	Not relevant
Other adverse effects	No data available
Aquatic ecotoxicity	

13. Disposal considerations

Waste treatment methods	
Product:	<p>The product should not be allowed to enter drains, water courses or the soil.</p> <p>Offer surplus and non-recyclable solutions to a licensed disposal company.</p> <p>Waste must be classified and labelled prior to recycling or disposal.</p> <p>Send to a licensed waste management company.</p> <p>Dispose of as hazardous waste in compliance with local and national regulations.</p> <p>Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.</p>

14. Transport information

International Regulation	
IATA-DGR	Not regulated as a dangerous good
IMDG-Code	Not regulated as a dangerous good
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable for product as supplied.
49 CFR	Not regulated as a dangerous good
TDG	Not regulated as a dangerous good
Special precautions for user	Not applicable

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	
Water contaminating class(Germany)	WGK 1 slightly water endangering
The components of this product are reported in the following inventories:	
DSL:	On the inventory, or in compliance with the inventory
TSCA:	All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
IECSC:	On the inventory, or in compliance with the inventory
EINECS:	On the inventory, or in compliance with the inventory
Chemical Safety Assessment	

16. Other information

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