Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.02.2023 *Version number 1.5 (replaces version 1.4)* *Revision: 01.02.2023*

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

1.1 Product identifier

Trade name: 990 - Oil-Pen for instrument care

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
Application of the substance / the mixture Lubricant

1.3 Details of the supplier of the safety data sheet
Supplier:
Carl Martin GmbH
Neuenkamper Straße 80-86
42657 Solingen
Germany
Tel.: +49(0)212 - 810044
info@carlmartin.de

SECTION 2: Hazards identification

2.1 Classification according to Regulation (EC) No 1272/2008
The product is not classified, according to the GB CLP regulation.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 Void
Hazard pictograms Void
Signal word Void
Hazard statements Void

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: This substance is neither persistent, bioaccumulative nor toxic (PBT).
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Preparation
Description:
Mixture of white oils, synthetic base oils and additives.
Not classified as a dangerous preparation according to Directive 1272/2008/EC (GHS).

Dangerous components: Void
Additional information:
For the wording of the listed hazard phrases refer to section 16.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Version number 1.5 (replaces version 1.4)

(Contd. of page 1)

The mineral oils in this product contain < 3% DMSO extract (IP346).

SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
Take affected persons out into the fresh air.
Do not leave affected persons unattended.
Personal protection for the First Aider.
After inhalation: *Supply fresh air; consult doctor in case of complaints.*
After skin contact:
Generally the product does not irritate the skin.
Wash contaminated skin with water and soap and rinse thoroughly. Remove contaminated clothing. Get medical attention if symptoms occur.
After eye contact:
Rinse opened eye for several minutes under running water. Remove contact lenses, continue rinsing. If symptoms persist, consult a doctor.
After swallowing: *Do not induce vomiting; call for medical help immediately.*

4.2 Most important symptoms and effects, both acute and delayed
Skin contact: Close and long term contact can lead to redness, irritation and chapped skin.

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

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents: *Water with full jet.*

5.2 Special hazards arising from the substance or mixture
Formation of toxic/irritant gases is possible during heating or in case of fire.
Products of decomposition see chapter 10.

5.3 Advice for firefighters *suitable fire suppressants: carbon dioxide (CO2), foam, water, dry chemical*
Protective equipment:
Wear self-contained respiratory protective device.
Wear fully protective suit.
Additional information
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
Keep away from open flames, hot surfaces and sources of ignition.
Do not inhale vapours and aerosols.

6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
In case of seepage into the ground inform responsible authorities.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Version number 1.5 (replaces version 1.4)

(Contd. of page 2)

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Keep receptacles tightly sealed.
Prevent contact with eyes.
Information about fire - and explosion protection:
Keep away ignition sources - Do not smoke.
Do not spray onto a naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
Information about storage in one common storage facility:
Store away from oxidising agents.
Store away from food, beverage and feedingstuff.
Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Storage class: 10 - flammable liquid, flashpoint >60°C

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace: TWA: 5 mg/m³ (oil mist)
Additional information: The lists that were valid during the creation were used as basis.

8.2 Exposure controls
Appropriate engineering controls No further data; see item 7.
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid close or long term contact with the skin.
Avoid contact with the eyes.
Respiratory protection:
Not necessary if room is well-ventilated.
Use suitable respiratory protective device only when aerosol or mist is formed.
Filter A/P2
Hand protection If used properly, no protective gloves are required. Avoid skin contact.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR
Eye/face protection

Safety glasses with side protection (EN 166).

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Version number 1.5 (replaces version 1.4)

(Contd. of page 3)

Body protection: Protective work clothing (EN 14605)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Colour:	Colourless
Odour:	Mild
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined.
Boiling point or initial boiling point and boiling range	>340 °C
Flammability	Not applicable.
Flash point:	>200 °C
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Viscosity:	
Kinematic viscosity at 40 °C	22 mm²/s
Solubility	
water:	Not miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Density and/or relative density	
Density at 20 °C:	0.82 g/cm³

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Softening point/range	
Oxidising properties	Non oxidising.
Evaporation rate	Not determined.

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Version number 1.5 (replaces version 1.4)

(Contd. of page 4)

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under recommended storage conditions.

10.2 Chemical stability Stable under normal conditions.
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid
Heat, flames and sparks.
Keep away from strong oxidants as well as reducing agents.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:
In case of fire:
CO_2, CO, NO_x, SO_x
Under certain conditions of fire, other toxic/irritant substances may form.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)

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 or 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 Based on available data, the classification criteria are not met.
11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential Bioaccumulation is not to be expected.

12.4 Mobility in soil The product is adsobed on soil.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Version number 1.5 (replaces version 1.4)

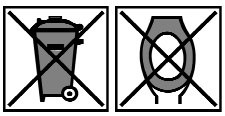
(Contd. of page 5)

12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects At intended use no interferences with environment are known or expected.
Other information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number **ADR, ADN, IMDG, IATA**	not regulated
14.2 UN proper shipping name **ADR, ADN, IMDG, IATA**	not regulated
14.3 Transport hazard class(es) **ADR, ADN, IMDG, IATA** **Class**	not regulated
14.4 Packing group **ADR, IMDG, IATA**	not regulated
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
IMDG **Limited quantities (LQ)**	not any
UN "Model Regulation":	not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008 Void
Hazard pictograms Void
Signal word Void

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Version number 1.5 (replaces version 1.4)

(Contd. of page 6)

Hazard statements *Void*

Directive 2012/18/EU
Named dangerous substances - ANNEX I *None of the ingredients is listed.*

15.2 Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Classification according to Regulation (EC) No 1272/2008
The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Contact: *info@carlmartin.de*

Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Sources
Data of raw material suppliers.
GESTIS-Stoffdatenbank, Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung, https://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp.