

Nikon

SAFETY DATA SHEET

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

1.1. Product identifier

Product name: SILICONE IMMERSION OIL 30CC
Product code MXA22179 : 30CC

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

Identified uses: Oil for microscope, oil-immersion objective lenses
Uses advised against: No information

1.3. Details of the supplier of the safety data sheet

Name of supplier (importer): Nikon Instruments Europe B.V.
Department in Charge Marketing
Address Tripolis 100, Burgerweeshuispad 101, 1076 ER Amsterdam,
The Netherlands
Telephone number +31-20-7099-000
Fax number +31-20-7099-298
e-mail address microscope.eu@nikon.com

Name of manufacturer in Japan: NIKON CORPORATION
Department in Charge Healthcare Business Unit
Address 471, Nagaodai-cho, Sakae-ku, Yokohama, Kanagawa
244-8533 Japan
Telephone number +81-45-853-8608
Fax number +81-45-853-8485
e-mail address Msqa.Manager@nikon.com

1.4. Emergency telephone number

+81-45-853-8608

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with EC No 1272/2008:
Not classified

2.2. Label elements

In accordance with EC No 1272/2008:

Pictogram Not applicable
Signal word Not applicable
Hazard Statements Not applicable
Precautionary Statements Not applicable

2.3. Other hazards

The product does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substances Not applicable

3.2. Mixtures

Product Name:

Information on ingredients:

Chemical name	CAS No.	EC No.	Index No.	REACH Registration No.*	Concentration (wt %)	Classification**	Specific Concentration limits
Silicone	-	-	-	-	100	-	-
Modified polysiloxane	-	-	-	-		-	-

* Registration numbers of ingredients which shall be in compliance with Regulation (EC) No 1907/2006 will be filled in later.

** Full texts of relevant hazard statements and risk phrases can be seen in SECTION 16 of this SDS.

SECTION 4: First aid measures

4.1. Description of first aid measures

IF INHALED	Remove victim to fresh air. If you feel unwell, get medical advice/ attention immediately and at rest. If symptoms continue, call a doctor/physician.
IF ON SKIN	Rinse with soap and water. If symptoms continue, call a doctor/physician.
IF IN EYES	Immediately rinse cautiously with water for 15 - 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue, call a doctor/physician.
IF SWALLOWED	Do not induce vomiting. Rinse mouth. Immediately get medical advice/attention.

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

No information

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

No information

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Use water mist, dry chemical powder, fire foam or carbon dioxide.

Unsuitable extinguishing media

Applying direct water may be dangerous because fire may expand to surroundings.

5.2. Special hazards arising from the substance or mixture

In case of fire, toxic decomposition products (e.g. carbon oxide, silicon oxide or formaldehyde) may be generated.

5.3. Advice for firefighters

Cut off any ignition sources and extinguish with an appropriate agent.
Cool the surrounding tank and the buildings with direct water jet to avoid risk of fire spreading.
Take action from windward.
Keep out except responsible personnel.
Move container to a safe area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Wear suitable protective equipment (see SECTION 8) e.g., safety gloves, protective mask and/or protective glasses to prevent exposure.

For emergency responders:

Keep out except responsible personnel.
Wear suitable protective equipment described in SECTION 8: Exposure controls/ personal protection.

6.2. Environmental precautions

Avoid release into the environment because product may cause local effects.

6.3. Methods and material for containment and cleaning up

Absorb with inert absorbent.
Stop leak if you can do it without risk.
In case of small amounts, wipe off spilled material with waste or wiping cloth and collect it in an adequate waste container.
If case of large amounts, prevent leakage and enclose by embankment.
Do not eat or drink near handling and storage locations.
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Prevent to flowing into drains, sewers, basements or closed areas.
Do not drain the waste water.

6.4. Reference to other sections

Refer to SECTION 8: Exposure controls/personal protection and SECTION 13: Disposal considerations as appropriate.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures:

Install appropriate equipment and wear suitable protective apparatus described in SECTION 8: Exposure controls/ personal protection.
Handle the product in a well-ventilated area.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not eat, drink or smoke when using this product.
Wash contaminated clothing before reuse.

Advice on general occupational hygiene:

Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:

Install appropriate equipment and wear suitable protective apparatus described in SECTION 8: Exposure controls/ personal protection.

Incompatible materials:

Water, alcohol, acid, alkali, strong oxidizing agents, catalytic metal, metal compound

Conditions for safe storage:

Avoid sunlight. Store in a cool place.
Avoid high-temperature materials.

Packing material:

Use a sealed container without damage or leakage.

7.3. Specific end use(s)

Oil for microscope, oil-immersion objective lenses.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Acceptable concentration (exposure limit, biological exposure index)

EU IOELV	Not applicable
ACGIH TLV	Not applicable

8.2. Exposure controls

Appropriate engineering controls:

Shower and eye washer should be available in the work area.
Under high temperature or in case of mist generation, use ventilation.

Personal protective equipment:

Respiratory protection	Wear appropriate protective mask or air aspirator as required.
Hand protection	If hand contact is possible, wear protective gloves.
Eye protection	Wear safety glasses or goggles if in eyes.

Skin and body protection

Wear protective clothing and apron if necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance (physical state, form and colour)	Liquid
Odour	No information
Odour threshold	No information
pH	No information
Melting point/freezing point	No information
Initial boiling point and boiling range	No information
Flash point	No information
Evaporation rate	No information
Flammability (solid, gas)	No information
Upper/lower flammability or explosive limits	No information
Vapour pressure	No information
Vapour density	No information
Relative density	No information
Solubility (ies)	No information
Partition coefficient: <i>n</i> -octanol/water	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	No information
Explosive properties	No information
Oxidising properties	No information

9.2. Other information

No information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal handling condition.

10.2. Chemical stability

Stable under normal handling condition.

10.3. Possibility of hazardous reactions

May react with strong oxidizing agents. In case of heating above 150°C, may generate vapour of formaldehyde. React with water, alcohol, acid, alkali, strong oxidizing agents, catalytic metal or metal compound and generate hydrogen gas.

10.4. Conditions to avoid

Avoid sunlight. Store in a cool place.

10.5. Incompatible materials

Water, alcohol, acid, alkali, strong oxidizing agents, catalytic metal, metal compound

10.6. Hazardous decomposition products

In case of fire, toxic decomposition products (e.g. carbon oxide, silicon oxide or formaldehyde) may be generated.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on product:

No information

Information on ingredients:

Silicone

Acute toxicity (oral):	Rat LD ₅₀ > 15,400 mg/kg
Acute toxicity (dermal):	Rabbit LD ₅₀ > 2,000 mg/kg

Modified polysiloxane

Acute toxicity (oral):	Rat LD ₅₀ > 2,000 mg/kg
Serious eye damage/irritation:	Slightly irritating

SECTION 12: Ecological information

12.1. Toxicity:

Information on product: No information

Information on ingredients:

Modified polysiloxane

Aquatic acute toxicity:	Fish (<i>Oncorhynchus mykiss</i>) 96hr LL ₅₀ > 1,000 mg/L
Aquatic chronic toxicity:	No information

12.2. Persistence and degradability:

Information on product: No information

Information on ingredients: No information

12.3. Bioaccumulative potential:

Information on product: No information

Information on ingredients: No information

12.4. Mobility in soil:

Information on product: No information

Information on ingredients: No information

12.5. Results of PBT and vPvB assessment:

The product does not meet the PBT and vPvB criteria.

12.6. Other adverse effects:

No information

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste in accordance with applicable local, regional and international regulations and standards.

When disposing, consult to a certificated waste trader or local offices if they deal with the waste.

Used container should be recycled after cleaning or dispose of in compliance with related laws and local regulations.

Contents should be removed completely when dispose of empty containers.

SECTION 14: Transport information

14.1. UN number Not applicable

14.2. UN proper shipping name Not applicable

14.3. Transport hazard class(es) Not applicable

14.4. Packing group Not applicable

14.5. Environmental hazards Not applicable

14.6. Special precautions for user

When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture

The product and its ingredients are not regulated by specific provisions related to protection of human health or the environment at EU level, e.g. not considered as SVHCs or POPs.

15.2. Chemical safety assessment

Not conducted

SECTION 16: Other information

Update history:

Date of issue: 14th SEPTEMBER, 2017

References:

Raw materials SDS documents

ACGIH, American Conference of Governmental Industrial Hygienists (2016) TLVs and BEIs.

Abbreviations

PBT: Persistent, Bioaccumulative and Toxic substance
POPs: Persistent Organic Pollutants
STOT: Specific Target Organ Toxicity
SVHC: Substances of Very High Concern
vPvB: Very Persistent and Very Bioaccumulative

[Disclaimer]

This SDS has been prepared based on the best available information however, it may not be sufficient in some cases. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.