

# Safety Passport

Material Name: Maintenance Oil for iCare

SDS ID: NSK-SDS-005(EN\_RU)\_Rev000

## SECTION 1: Identification of the chemical product and manufacturer or supplier information

### 1.1 Identification of chemical product

#### 1.1.1 Technical name

Maintenance Oil for iCare

#### Product Description

#### 1.1.2 Short recommendations for use (including restrictions on use)

##### Identified uses

Maintenance oil for dental handpiece maintenance system

##### Uses advised against

None known

### 1.2 Information about the Manufacturer and/or Supplier

#### 1.2.1 Full official name of organization:

NSK Rus&CIS

#### 1.2.2 Address:

2, Entuziastov bulvar

11th floor

Moscow 109544

Russia

#### 1.2.3 Telephone/Emergency Phone #:

+7 495 967 96 07

#### 1.2.4 Fax:

+7 495 967 96 08

#### 1.2.5 E-mail:

info@nsk-nakanishi.ru

## SECTION 2: Hazards identification

### 2.1 Hazards of the product in accordance with GOST 12.1.007-76 and GHS

Aspiration Hazard - Category 1

### 2.2 Information about precautionary labelling according to GOST 31340-2007

#### 2.2.1 Signal Word

Danger

#### 2.2.2 Hazard Symbols



#### 2.2.3 Hazard statements

**H304** May be fatal if swallowed and enters airways.

#### Precautionary statements

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## Prevention

None needed according to classification criteria.

## Response

**P301+P310** IF SWALLOWED: Immediately call a POISON CENTER/doctor.

**P331** Do NOT induce vomiting.

## Storage

**P405** Store locked up.

## Disposal

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3 Other hazards

None known.

## SECTION 3: Composition / information on ingredients

### 3.1 Information about the product as a whole

#### 3.1.1 Chemical name (according to IUPAC)

White mineral oil (petroleum).

#### 3.1.2 Chemical formula

Substance is complex UVCB

#### 3.1.3 General characteristics of composition (taking into account the brand assortment; method for producing)

Not available.

### 3.2. Components (name, CAS and EC numbers, mass fractions (totalling 100%), MAC (Maximum Allowable Concentrations) or TAEL (Tentative Allowable Exposure Level), hazard classifications and references to the sources of data)

Components (name)	Mass fraction (wt %)	Hygiene Standards in working zone area		CAS Number	EC Number
		MAC or TAEL, mg/m <sup>3</sup>	Hazard Class		
White mineral oil, petroleum	≥99.99	MAC 5 mg/m <sup>3</sup>	Asp. Tox. 1 - H304	8042-47-5	232-455-8

## SECTION 4: First aid measures

### 4.1 Observed symptoms

#### 4.1.1 If inhaled:

No significant adverse effects expected.

#### 4.1.2 In contact with skin:

No significant adverse effects expected.

#### 4.1.3 In contact with eyes:

No significant adverse effects expected.

#### 4.1.4 If swallowed:

May be fatal if swallowed and enters airways.

### 4.2 Measures to provide first aid

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### 4.2.1 If inhaled:

Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Call a POISON CENTER or doctor/physician.

### 4.2.2 In contact with skin:

Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

### 4.2.3 In contact with eyes:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 4.2.4 If swallowed:

Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### 4.2.5 Contraindications:

No information available for the product.

### Note to Physicians

Treat symptomatically and supportively.

## SECTION 5: Firefighting measures

### 5.1 General description of fire and explosion hazards (according to GOST 12.1.044-89)

No information available.

### 5.2 Indicators of fire and explosion hazards (nomenclature indicators according to GOST 12.1.044-89 and GOST 30852.0-2002)

No information available.

### 5.3 Combustion and/or thermal degradation products and hazards caused by them

Irritating and toxic gases or fumes may be released during a fire: oxides of carbon.

### 5.4 Recommended extinguishing media

Spray agent, foam, powder, carbon dioxide

### 5.5 Unsuitable extinguishing media

Do not use high-pressure water streams.

### 5.6 Personal protective equipment for fire fighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

### 5.7 Specific measures for extinguishing the fire

Move container from fire area if it can be done without risk. Keep unnecessary people away, isolate hazard area and deny entry. Collect spilled material in appropriate container for disposal. Small fires: Fire extinguisher requirements: powder or carbon dioxide. Large fires: Use foam to block the air for extinction. Prevent entry into sewers, drains, ditches, underground or confined spaces and waterways. Avoid inhalation of material or combustion by-products.

## SECTION 6: Accidental release measures

### 6.1 Measures to prevent harmful effects on people, the environment, buildings, surroundings and others in accident and emergency situations

#### 6.1.1 Necessary general actions in accidents and emergency situations

Stop leak if possible without personal risk. Keep unnecessary people away, isolate hazard area and deny entry. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Large spills: Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas.

#### 6.1.2 Personal Protection Means for emergency situations

Wear personal protective clothing and equipment, see Section 8.

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## 6.2 Procedure for elimination of accidents and emergencies

### 6.2.1 Instructions in case of leaks, spills, deposits

Avoid release to the environment.

### 6.2.2 Instructions in case of fire

Move container from fire area if it can be done without risk. Keep unnecessary people away, isolate hazard area and deny entry. Cool containers with flooding quantities of water until well after fire is out. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.

## SECTION 7: Handling and storage

### 7.1 Safety measures when handling chemicals

#### 7.1.1 Systems of engineering safety measures

Do not breath vapor or mist. Do not get in eyes, on skin, or on clothing. Do not put in mouth. Keep away from heat, sparks and flame. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

#### 7.1.2 Measures for the protection of the environment

Avoid release to environment.

#### 7.1.3 Recommendations for safe moving and transportation

No information available.

### 7.2 Conditions for safe storage of chemicals

#### 7.2.1 Conditions and terms of safe storage

Store locked up.

Further information on storage conditions: Storage and handle in accordance with all current regulations and standards. Store in a well-ventilated place. Keep away from incompatible materials.

#### 7.2.2 Containers and packaging (including the materials from which they are made)

Packaging materials: Store in metal containers, glass Container -. Avoid use of plastic containers.

### 7.3 Safety measures and storage for domestic settings

Store in cool, dry, and well ventilated area.

### Incompatible Materials

strong oxidizing agents, halogens, strong acids, alkali

## SECTION 8: Exposure controls/personal protection

### 8.1. Mandatory working zone concentration limits (MACs or TAELs)

#### Russia:

White mineral oil, petroleum	8042-47-5
skin notation:	Skin notation
MAC:	5 mg/m3 MAC aerosol

### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

### 8.2 Measures to ensure the content of harmful substances in the allowable concentrations

#### Ventilation

Provide adequate ventilation as well as local exhaustion at critical locations.

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## Engineering controls

Ensure compliance with applicable exposure limits.

## Environmental exposure controls

Avoid release to the environment.

## 8.3 Personal protective equipment

### 8.3.1 General recommendations

Use recommended personal protective equipment.

### 8.3.2 Respiratory protection

Consult with a health and safety professional for specific respirators appropriate for your use. Respirators depend on exposure level. SCBA with full face piece recommended during change outs and available in case of emergency.

### 8.3.3 Protective equipment

Wear suitable protective equipment.

### Eye/face protection

Wear safety goggles with a faceshield.

### Skin Protection

Wear chemical resistant protective clothing.

### Glove Recommendations

Wear appropriate chemical resistant gloves.

### 8.3.4 Personal protection equipment

No additional information.

## SECTION 9: Physical and chemical properties

### 9.1 Physical State

**Physical Form:** Clear and colorless oil

### 9.2 Parameters characterizing the basic properties of the products

<b>Appearance</b>	Clear colorless liquid	<b>Physical State</b>	liquid
<b>Odor</b>	odorless	<b>Color</b>	clear colorless
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Freezing point</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Flammability (solid, gas)</b>	combustible.
<b>Autoignition Temperature</b>	260 - 371 °C	<b>Flash Point</b>	≥ 176 °C (COC )
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	3 x 10 <sup>-3</sup> Pa @ 50 °C
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	0.845 at 20 °C
<b>Water Solubility</b>	Not soluble (20 °C)	<b>Partition coefficient: n-octanol/water</b>	log Pow >6

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<b>Viscosity</b>	Not available	<b>Kinematic viscosity</b>	13.6 mm <sup>2</sup> /s 37.8 °C
<b>Solubility (Other)</b>	Not available	<b>Density</b>	0.847 g/cm <sup>3</sup> at 15 °C
<b>Physical Form</b>	Clear and colorless oil	<b>Molecular Formula</b>	Substance is complex UVCB
<b>Molecular Weight</b>	Not available		

### 9.2 Other information

No additional information available for the product.

## SECTION 10: Stability and reactivity

### 10.1 Chemical stability

Stable under normal conditions of use.

### 10.2 Reactivity

No reactivity hazard is expected.

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.3 Conditions to be avoided

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

### Hazardous decomposition products

oxides of carbon

### Incompatible materials

strong oxidizing agents, halogens, alkali, strong acids

## SECTION 11: Toxicological information

### 11.1 General characteristics of exposure

#### Acute and Chronic Toxicity

See below.

### 11.2 Routes of exposure

#### Inhalation

No significant adverse effects expected.

#### Ingestion

May be fatal if swallowed and enters airways.

#### Skin

No significant adverse effects expected.

#### Eye

No significant adverse effects expected.

### 11.3 Affected organs, tissues and biological systems

#### Specific Target Organ Toxicity - Single Exposure

No target organs identified.

#### Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

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## 11.4 Information about the health risks of exposure by direct contact with the product, as well as the consequences of these risks

### Irritation/Corrosivity Data

No information available for product.

### Aspiration hazard

May be fatal if swallowed and enters airways.

### Respiratory Sensitization

No information available for product.

### Dermal Sensitization

No information available for the product.

## 11.5 Information about hazardous long-term effects of the product on the body

### Mutagenic Data

No information available for the product.

### Component Carcinogenicity

None of this product's components are listed by IARC or DFG.

### Toxicity for reproduction

No information available for the product.

## 11.6 Acute toxicity data

### Acute Toxicity Estimate

Oral	> 2000 mg/kg
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### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

#### White mineral oil, petroleum (8042-47-5)

Oral LD50 Rat >5000 mg/kg

## SECTION 12: Ecological information

### 12.1 General description of the effects of exposure on the environment

No information available for the product.

### 12.2 Routes of exposure to the environment

No information available for product.

### Bioaccumulative potential

No information available for product.

### 12.3 The most important characteristics of the environmental impact

#### 12.3.1 Hygienic standards

Component	MAC of atmospheric air or TAEL of atmospheric air, mg/m <sup>3</sup> (LHI, hazard class)	MAC water or Approximate Allowable Levels (AAL) water, mg/l, (LHI, hazard class)	MAC of fishery waters. or TAEL of fishery waters, mg/l (LHI, hazard class)	MAC or AAC (Approximate Allowable Concentration) of soil, mg/kg (LHI)
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<b>White mineral oil, petroleum</b>	0.05 mg/m3 TSEL (including spindle, machine, cylinder and other oils )	--	--	--
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### 12.3.2 Ecotoxicity data

#### Component Analysis - Aquatic Toxicity

<b>White mineral oil, petroleum</b>	<b>8042-47-5</b>
Fish:	LC50 96 h Lepomis macrochirus >10000 mg/L

### 12.3.3 Migration and transformation in the environment due to biodegradation and other processes

#### Mobility in soil

No information available for product.

#### Other Ecological Information

No additional information available for the product.

### SECTION 13: Disposal considerations

#### 13.1 Safety measures when handling waste arising from use, storage, transportation

Dispose in accordance with all applicable regulations.

#### 13.2 Information about the places and methods of decontamination, recycling or disposal of waste products, including packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 13.3 Recommendations regarding removal of waste generated when using products in everyday life

Recycle if possible.

### SECTION 14: Transport information

		ADR	RID	ICAO	IATA	ADN	IMDG
14.1	UN Number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2	UN Proper Shipping Name	--	--	--	--	--	--
14.3	Appropriate Transport Vehicles	Transported in accordance with the shipping rules applicable to the given mode of transport.	Transported in accordance with the shipping rules applicable to the given mode of transport.	Transported in accordance with the shipping rules applicable to the given mode of transport.	Transported in accordance with the shipping rules applicable to the given mode of transport.	Transported in accordance with the shipping rules applicable to the given mode of transport.	Transported in accordance with the shipping rules applicable to the given mode of transport.
14.4	Transport Hazard Class(es)	--	--	--	--	--	--



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14.5	Classification of dangerous goods according to the UN Recommendations on the Transport of Dangerous Goods	Not classified as dangerous good.	Not classified as dangerous good.	Not classified as dangerous good.	Not classified as dangerous good.	Not classified as dangerous good.	-Not classified as dangerous good.
14.6	Transport labeling	None	None	None	None	None	None
14.7	Emergency cards	--	--	--	--	--	--

### International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

## SECTION 15: Information on National and International Legislation

### 15.1 National legislation

#### 15.1.1 Laws of the Russian Federation

##### Limiting Quantities of Hazardous Substances

None of this product's components are on the list.

#### 15.1.2 Information about the documents regulating the requirements for protection of humans and the environment

##### Maximum Allowable Concentrations of Pollutants in Air

The Russian Ministry of Health has not developed maximum allowable concentrations for any of this product's components.

##### Tentative Safe Exposure Levels (TSELs) of Harmful Substances

<b>White mineral oil, petroleum</b>	<b>8042-47-5</b>
Residential Settings:	0.05 mg/m <sup>3</sup> TSEL (including spindle, machine, cylinder and other oils )

##### Tentative Allowable Exposure Levels (TAEL)

The Russian Ministry of Health has not developed tentative allowable exposure levels for any of this product's components.

##### Maximum Allowable Concentrations of Chemicals in Soil

The Russian Ministry of Health has not developed maximum allowable concentrations for any of this product's components.

##### Approximate Allowable Concentrations (AAC) of Chemical Substances in Soil

The Russian Ministry of Health has not developed approximate allowable concentrations for any of this product's components.

### 15.2 International conventions and agreements

#### Montreal Protocol

No components of this material are listed.

#### Stockholm Convention

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No components of this material are listed.

## Component Analysis - Inventory

### White mineral oil, petroleum (8042-47-5)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

## SECTION 16: Other information

### 16.1 Safety Passport Revision Information

New SDS: 3 July 2018

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL), KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; Ne- Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada)

### 16.2 List of sources used for Safety Passport compilation

Available upon request.

#### Relevant H- and EUH-phrases (Number and full text)

**H304** May be fatal if swallowed and enters airways

#### Further Information

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**Disclaimer:**

The information set forth in this Safety Data Sheet does not purport to be all-inclusive and should be used only as a guide. While the information and recommendations set forth herein are believed to be accurate, the company makes no warranty regarding such information and recommendations and disclaims all liability from reliance thereon.