

SAFETY DATA SHEET

According to Regulation (EC) No. 2020/878 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier:

Product name: SKY PLAST - A

Synonyms, Trade Names:
SKY PLAST, SKY PLAST 250

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

Identified uses: Isolation of electrical or electronic material.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

RAYTECH Srl
Via E.Fermi 11,13,17
I-20019 Settimo Milanese

Telephone: +39 (02) 33500147

Fax: +39 (02) 33500287

E-mail: info@raytech.it

Supplier:

RAYTECH Srl
Via E.Fermi 11,13,17
I-20019 Settimo Milanese

Telephone: +39 (02) 33500147

1.4 Emergency telephone number:

For urgent inquiries refer to:

GB National Poisons Information Service (NPIS) Tel. 0344 892 0111 (United Kingdom), to healthcare professionals only;

Members of the Public: NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified

2.2 Label Elements:

Supplemental label information:

EUH210: Safety data sheet available on request.

2.3 Other hazards:

Physical Hazards: No specific recommendations.

Health Hazards:

Inhalation:	No specific symptoms noted.
Eye contact:	No specific symptoms noted.
Skin contact:	No specific symptoms noted.
Ingestion:	No specific symptoms noted.
Other Health Effects:	No other information noted.
Environmental Hazards:	Not regarded as dangerous for the environment.
Results of PBT and vPvB assessment:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine Disruption - Health:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Endocrine Disruption - Environment:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other hazards:	No other information noted.

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

General information:

Mixture of Polyorganosiloxanes, fillers, additives.

Hazardous Component(s):

Chemical name	Concentration*	Type	CAS-No.	EC No.	REACH Registration No.	Notes
White mineral oil (petroleum)	1 - <10%	Component	8042-47-5	232-455-8	01-2119487078-27-XXXX	#

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

ED: Endocrine Disruptor

Classification:

Chemical name	Classification	Specific concentration limits / ATE / M-Factor:	Notes
White mineral oil (petroleum)	Asp. Tox. 1 H304;		

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information:

No specific first aid measures noted. Get medical attention if symptoms occur.

4.1 Description of first aid measures:**Inhalation:**

Under normal conditions of intended use, this material is not expected to be an inhalation hazard. In case of inhalation: Move person into fresh air and keep at rest. Get medical attention if symptoms occur.

Skin contact:

Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.

Eye contact:

In the event of contact with the eyes, rinse thoroughly with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

Personal Protection for First-aid Responders:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). Refer to sections 5 and 8 for information on emergency procedures and protective equipment.

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

No specific symptoms noted. For further information, please refer to Section 11 of the SDS.

4.3 Indication of any immediate medical attention and special treatment needed:**Notes to the physician:**

No specific recommendations. Show this Safety Data Sheet to the attending physician.

SECTION 5: Firefighting measures**5.1 Extinguishing media:****Suitable extinguishing media:**

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media:

Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture:

Product will burn under fire conditions. Thermal decomposition or combustion may liberate carbon oxides, silicon oxides and other toxic gases or vapors.

5.3 Advice for firefighters:**Special fire fighting procedures:**

Use standard firefighting procedures and consider the hazards of other involved materials. Remove undamaged containers from fire area if it is safe to do so. Evacuate to a safe location and contact the emergency services. Water spray should be used to cool containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

6.2 Environmental Precautions:

Collect spillage. Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up:

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent (see § 9). Flush area with plenty of water. Incinerate in suitable combustion chamber.

6.4 Reference to other sections:

Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

SECTION 7: Handling and storage**7.1 Precautions for safe handling:****Precautions:**

Handle in accordance with good industrial hygiene and safety practices. No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product. Take care to prevent spills, waste and minimize release to the environment. In case of spills, beware of slippery floors and surfaces.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities:

Store in accordance with local/regional/national regulations. Avoid discharge into drains, water courses or onto the ground. Store in a dry place. Keep in properly labelled containers. Keep above the chemical's freezing point. Protect against physical damage and/or friction. Store away from incompatible materials. For further information, refer to section 10: "Stability and Reactivity".

Packaging frequently used at our sites:

Polyethylene. Plastic lined steel drum.

7.3 Specific end use(s):

No specific recommendations. See the technical data sheet on this product for further information.

SECTION 8: Exposure controls/personal protection**8.1 Control Parameters:****Occupational Exposure Limits:**

None of the components have assigned exposure limits.

Monitoring methods:

Ensure workers' exposure monitoring in accordance with national and European regulations in force, in particular Directives 98/24/EC and 2004/37/EC.

8.2 Exposure controls:**Appropriate Engineering Controls:**

Use engineering controls to reduce air contamination to permissible exposure level. The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Engineering controls are always preferable to personal protective equipment. Control measures to consider: Provide adequate ventilation. In case of inadequate ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment:

Avoid inhalation of vapors/aerosols/dusts and contact with skin and eyes. Personal protective equipment should be chosen according to applicable standards, adapted to the conditions of use of the product and in discussion with the supplier of the personal protective equipment.

Eye/face protection:

Safety glasses with side shields.

Hand Protection:

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes. In case this product will be mixed with other substances, you need to contact a supplier of CE approved protective gloves in order to determine the appropriate gloves.

Prolonged or repeated contact:

Material: Nitrile.

Glove thickness: 1,25 mm

Guideline: EN374-3

Additional Information: -

Short contact:

Material: Nitrile / Neoprene

Glove thickness: 0,198 mm

Guideline: EN374-3

Additional Information: -

Skin and Body Protection:

Wear appropriate clothing to prevent any possibility of skin contact. Isolate contaminated clothing and wash before reuse. In case of splashes: Wear apron or special protective clothing.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use the following CE approved air-purifying respirator: Breathing apparatus with combined filter type ABEK. Wear respiratory protection with combination filter (dust and gas filter) during operations leading to the formation of dust/aerosols.

Environmental Controls:

See sections 7 and 13 of the Safety Data Sheet.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties:****Appearance:**

Physical state:	Liquid
Form:	Paste
Color:	Off-white
Odor:	Odorless
Flash Point:	180 °C / 356 °F

Melting point/freezing point:	No data available.
Boiling Point:	No data available.
pH:	Not applicable
Flammability:	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	< 0,1 hPa (20 °C)
Relative vapor density:	No data available.
Evaporation Rate:	No data available.
Density:	1,55 kg/dm ³ (Approximate 20 °C)
Solubility(ies):	
Solubility in Water:	Practically Insoluble
Solubility (other):	Diethylether: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Acetone: Very slightly soluble Ethanol: Very slightly soluble
Partition coefficient (n-octanol/water):	No data available.
Self-Ignition Temperature:	400 °C
Decomposition Temperature:	No data available.
Kinematic viscosity:	Not applicable.
Particle characteristics:	Not applicable.

9.2 Other information: No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Not relevant.

10.2 Chemical Stability:

Stable

10.3 Possibility of hazardous reactions:

Not known.

10.4 Conditions to avoid:

No other information noted.

10.5 Incompatible Materials:

Strong oxidizing agents.

10.6 Hazardous Decomposition Products:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

SECTION 11: Toxicological information

Information on likely routes of exposure:

Inhalation: No data available.

Ingestion: No data available.

Skin contact: No data available.

Eye contact: No data available.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:

Oral:

Not classified for acute toxicity based on available data.

Dermal:

Not classified for acute toxicity based on available data.

Inhalation:

Not classified for acute toxicity based on available data.

Repeated dose toxicity:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

NOAEL: 1 200 mg/kg ; (Rat ; Female, Male ; Feed (Oral)) ; Method: OECD 453 ; Chronic exposure. Results obtained on a similar product.

NOAEL: 0,050 mg/l ; LOAEL: 0,210 mg/l ; (Rat ; Female, Male ; Inhalation) ; Method: OECD 412 ; Subacute exposure.

NOAEL: 2 000 mg/kg ; (Rat ; Female, Male ; Dermal) ; Method: OECD 411 ; Subchronic exposure.

Skin Corrosion/Irritation:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not irritating (Rabbit) ; Method: OECD 404

Serious Eye Damage/Eye Irritation:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not irritating (Rabbit) ; Method: OECD 405

Respiratory or Skin Sensitization:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Skin sensitization: Not a skin sensitizer. (Guinea Pig) ; Method: OECD 406

Germ Cell Mutagenicity:

In vitro: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Bacterial reverse mutation test: No mutagenic effect. (Salmonella typhimurium ; with and without metabolic activation) ; Method: OECD 471 ; Results obtained on a similar product.

In vitro gene mutations test on mammalian cells: No mutagenic effect. (Mouse lymphoma cells ; with and without metabolic activation) ; Method: OECD 476 ; Results obtained on a similar product.

Chromosomal aberration: No clastogenic effect. (Chinese hamster ovary cells ; with and without metabolic activation) ; Method: OECD 473 ; Results obtained on a similar product.

In vivo: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Mammalian erythrocyte micronucleus test: negative (Mouse ; Intraperitoneal) ; Method: OECD 474 ;
Results obtained on a similar product.

Carcinogenicity:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not classified

NOAEL: 1 200 mg/kg (Rat ; Female, Male ; Ingestion) ; Method: OECD 453 ; Results obtained on a similar product.

NOAEC: 0,1 mg/l (Rat ; Male ; Inhalation) ; Method: OECD 453

(Mouse ; female ; Dermal) ; The product is not considered to be carcinogenic.

Reproductive toxicity:

Fertility: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not classified

Reproduction/developmental toxicity screening test: NOAEL (parent): \geq 1 000 mg/kg ; NOAEL (F1): None. ; NOAEL (F2): None. (Rat ; Female, Male ; Ingestion) ; Method: OECD 421 ; Results obtained on a similar product.

Fertility study 1 generation: NOAEL (parent): \geq 2 000 mg/kg NOAEL (F1): None. ; NOAEL (F2): None. (Rat ; female ; Dermal) ; Method: OECD 415

Teratogenicity: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not classified

NOAEL (terato): \geq 5 000 mg/kg ; NOAEL (mater): \geq 5 000 mg/kg (Rat ; Ingestion) ; Method: OECD 414

NOAEL (terato): \geq 1 mg/l ; NOAEL (mater): \geq 1 mg/l (Rat ; Inhalation) ; Method: OECD 414

NOAEL (terato): \geq 2 000 mg/kg ; NOAEL (mater): \geq 2 000 mg/kg (Rat ; Dermal) ; Method: OECD 414

Specific Target Organ Toxicity - Single Exposure:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Based on available data, the classification criteria are not met.

Aspiration Hazard:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

May be fatal if swallowed and enters airways.

11.2 Information on other hazards:

Endocrine disrupting properties:

No data available.

Other information:

None known.

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Fish: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

LL50 (Leuciscus idus; 96 h) : > 10 000 mg/l ; Method: OECD 203 ; Nominal loading rates (saturated solution or WAF/WSF). Results obtained on a similar product.

Aquatic Invertebrates: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

LL50 (Water flea (Daphnia magna); 48 h) : > 100 mg/l ; Method: OECD 202 ; Nominal loading rates (saturated solution or WAF/WSF). Results obtained on a similar product.

Aquatic plants: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

NOELR (Algae (Pseudokirchneriella subcapitata); 72 h) : > 100 mg/l ; Method: OECD 201 ; Nominal loading rates (saturated solution or WAF/WSF).

Toxicity to microorganisms: No data available.

Chronic Toxicity:

Fish: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

(Fish) Method: Expert judgement ; No toxicity at the limit of solubility

Aquatic Invertebrates: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

NOEL (Water flea (Daphnia magna); 21 d) : 10 mg/l ; Method: OECD 211 ; Nominal loading rates (saturated solution or WAF/WSF). Results obtained on a similar product.

12.2 Persistence and Degradability:

Biodegradation: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

The product is not considered to be readily biodegradable.

BOD/COD Ratio: No data available.

12.3 Bioaccumulative potential:

Bioconcentration Factor (BCF): No data available.

Partition coefficient (n-octanol/water): No data available.

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

12.6 Endocrine disrupting properties:

No data available.

12.7 Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods:

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate.

Contaminated Packaging:

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

SECTION 14: Transport information

ADR

Not regulated.

ADN

Not regulated.

RID

Not regulated.

IMDG / IMO

Not regulated.

IATA

Not regulated.

SECTION 15: Regulatory information

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

EU Regulations:

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities.

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: None present or none present in regulated quantities.

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended: None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended: None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended: None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as

amended: None present or none present in regulated quantities.

EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17: None present or none present in regulated quantities.

EU. REACH Annex XIV, Substances Subject to Authorization: None present or none present in regulated quantities.

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: None present or none present in regulated quantities.

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: None present or none present in regulated quantities.

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: None present or none present in regulated quantities.

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable.

15.2 Chemical safety assessment:

As this product is not classified as hazardous, a chemical safety assessment is not required. For safe use information, please refer to section 8 of this SDS.

Inventory Status:

Australia Industrial Chem. Act (AICC):	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.

SECTION 16: Other information

Revision Information:

SECTION 8:	Modification:	Control Parameters
SECTION 15:	Modification:	Regulatory information

Abbreviations and acronyms:

CLP: Regulation No. 1272/2008.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

NOAEL - No Observable Adverse Effect Level

LOAEL - Lowest Observable Adverse Effect Level

ED: Endocrine Disruptor

SVHC: Listed on the Candidate List of substances of very high concern (SVHC)

Wording of the H-statements in section 2 and 3:

EUH210	Safety data sheet available on request.
H304	May be fatal if swallowed and enters airways.

Issue Date: 06.03.2023

Disclaimer:

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

SAFETY DATA SHEET

According to Regulation (EC) No. 2020/878 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier:

Product name: SKY PLAST - B

Synonyms, Trade Names:
SKY PLAST, SKY PLAST 250

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

Identified uses: Isolation of electrical or electronic material.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

RAYTECH Srl
Via E.Fermi 11,13,17
I-20019 Settimo Milanese

Telephone: +39 (02) 33500147
Fax: +39 (02) 33500287

E-mail: info@raytech.it

Supplier:

RAYTECH Srl
Via E.Fermi 11,13,17
I-20019 Settimo Milanese

Telephone: +39 (02) 33500147

1.4 Emergency telephone number:

For urgent inquiries refer to:

GB National Poisons Information Service (NPIS) Tel. 0344 892 0111 (United Kingdom), to healthcare professionals only;

Members of the Public: NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified

2.2 Label Elements:

Supplemental label information:

EUH210: Safety data sheet available on request.

2.3 Other hazards:

Physical Hazards: No specific recommendations.

Health Hazards:	
Inhalation:	No specific symptoms noted.
Eye contact:	No specific symptoms noted.
Skin contact:	No specific symptoms noted.
Ingestion:	No specific symptoms noted.
Other Health Effects:	No other information noted.
Environmental Hazards:	Not regarded as dangerous for the environment.
Other hazards:	Chemical compounds containing silicon - hydrogen bonds (SiH). Meets PBT (persistent/bioaccumulative/toxic) criteria. Meets vPvB criteria

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

General information:

Mixture of Polyorganosiloxanes, fillers, additives.

Chemical name	Concentration*	Type	CAS-No.	EC No.	REACH Registration No.	Notes
White mineral oil (petroleum)	1 - <10%	Component	8042-47-5	232-455-8	01-2119487078-27-XXXX	#
Dodecamethylcyclohexasiloxane	0,1 - <1%	Impurities	540-97-6	208-762-8	Not relevant.	vPvB
Decamethylcyclopentasiloxane	0,1 - <1%	Impurities	541-02-6	208-764-9	Not relevant.	vPvB

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification:

Chemical name	Classification	M-Factor:	Notes
White mineral oil (petroleum)	Asp. Tox. 1 H304;	None.	None.
Dodecamethylcyclohexasiloxane	None known.	None.	None.
Decamethylcyclopentasiloxane	None known.	None.	None.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information:

Get medical attention if symptoms occur.

Contaminated clothing to be placed in closed container until disposal or decontamination.

4.1 Description of first aid measures:

Inhalation:

Not relevant.

Skin contact:

Remove contaminated clothing and shoes.

Wash with soap and water.

Eye contact:

In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

Ingestion:

Do not induce vomiting.

Rinse mouth thoroughly.

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

None known.

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

Hazards:

No specific recommendations.

Treatment:

No specific recommendations.

SECTION 5: Firefighting measures

General Fire Hazards:

No specific recommendations.

5.1 Extinguishing media:

Suitable extinguishing media:

Foam. Powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire. Alkaline powders.

5.2 Special hazards arising from the substance or mixture:

None known.

For further information, refer to section 10: "Stability and Reactivity".

5.3 Advice for firefighters:

Special fire fighting procedures:

Water spray should be used to cool containers.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep away from Alkalis and caustic products. Eliminate all sources of ignition.

6.2 Environmental Precautions:

Collect spillage. Prevent entry into waterways, sewer, basements or confined areas.

6.3 Methods and material for containment and cleaning up:

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Absorb with sand or other inert absorbent. Do NOT use products which are basic. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water.

6.4 Reference to other sections:

Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Precautions:

Use mechanical ventilation in case of handling which causes formation of vapors. Do not mix with Incompatible materials. For further information, refer to section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Store in tightly closed original container. Suitable containers: polyethylene. Steel drums coated with epoxy-resin.

7.3 Specific end use(s):

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters:

Occupational Exposure Limits:

None of the components have assigned exposure limits.

Monitoring methods:

Ensure workers' exposure monitoring in accordance with national and European regulations in force, in particular Directives 98/24/EC and 2004/37/EC.

8.2 Exposure controls:

Appropriate Engineering Controls:

No special requirements under ordinary conditions of use and with adequate ventilation. Avoid inhalation of vapors, mists or dusts.

Individual protection measures, such as personal protective equipment:

Avoid inhalation of vapors/aerosols/dusts and contact with skin and eyes. Personal protective equipment should be chosen according to applicable standards, adapted to the conditions of use of the product and in discussion with the supplier of the personal protective equipment.

Eye/face protection:

Safety glasses with side shields.

Hand Protection:

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes. In case this product will be mixed with other substances, you need to contact a supplier of CE approved protective gloves in order to determine the appropriate gloves.

Prolonged or repeated contact:

Material: Nitrile.

Glove thickness: 1,25 mm

Guideline: EN374-3

Additional Information: -

Short contact:

Material: Nitrile / Neoprene

Glove thickness: 0,198 mm

Guideline: EN374-3

Additional Information: -

Skin and Body Protection:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory Protection:

No protection is ordinarily required under normal conditions of use and with adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided.

Environmental Controls:

See sections 7 and 13 of the Safety Data Sheet.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties:****Appearance:**

Physical state: Paste

Form: Paste

Color: Black

Odor: Odorless

Odor Threshold: No data available.

Flash Point: 180 °C / 356 °F

Melting point/freezing point: No data available.

Boiling Point: No data available.

pH: Not applicable

Evaporation Rate: No data available.

Flammability (solid, gas): No data available.

Flammability Limit - Upper (%): No data available.

Flammability Limit - Lower (%): No data available.

Vapor pressure: < 0,1 hPa (20 °C)

Vapor density (air=1): No data available.

Density: 1,55 kg/dm³ (Approximate 20 °C)

Solubility(ies):

Solubility in Water: Practically Insoluble

Solubility (other): Diethylether: Miscible (in all proportions).
Chlorinated solvents: Miscible (in all proportions).

Partition coefficient (n-octanol/water):	Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Acetone: Very slightly soluble Ethanol: Very slightly soluble
Self-ignition Temperature:	No data available.
Decomposition Temperature:	500 °C Hydrogen.
Kinematic viscosity:	No data available.
Particle characteristics:	Not applicable.

9.2 Other information: No data available.

SECTION 10: Stability and reactivity

10.1 **Reactivity:**

No other information noted.

10.2 **Chemical Stability:**

Material is stable under normal conditions.

10.3 **Possibility of hazardous reactions:**

This product may generate hydrogen gas.

10.4 **Conditions to avoid:**

No other information noted.

10.5 **Incompatible Materials:**

A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with : Strong oxidizing agents. Alkalis and caustic products. Chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.

10.6 **Hazardous Decomposition Products:**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

Amorphous silica.

Quantity of hydrogen potentially released (l/kg of product): < 2

SECTION 11: Toxicological information

Information on likely routes of exposure:

Inhalation: No data available.

Ingestion: No data available.

Skin contact: No data available.

Eye contact: No data available.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:

Oral:

Not classified for acute toxicity based on available data.

Dermal:

Not classified for acute toxicity based on available data.

Inhalation:

Not classified for acute toxicity based on available data.

Repeated dose toxicity:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

NOAEL: 1 200 mg/kg ; (Rat ; Female, Male ; Feed (Oral)) ; Method: OECD 453 ; Chronic exposure. Results obtained on a similar product.

NOAEL: 0,050 mg/l ; LOAEL: 0,210 mg/l ; (Rat ; Female, Male ; Inhalation) ; Method: OECD 412 ; Subacute exposure.

NOAEL: 2 000 mg/kg ; (Rat ; Female, Male ; Dermal) ; Method: OECD 411 ; Subchronic exposure.

Skin Corrosion/Irritation:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not irritating (Rabbit) ; Method: OECD 404

Serious Eye Damage/Eye Irritation:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not irritating (Rabbit) ; Method: OECD 405

Respiratory or Skin Sensitization:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Skin sensitization: Not a skin sensitizer. (Guinea Pig) ; Method: OECD 406

Germ Cell Mutagenicity:

In vitro: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Bacterial reverse mutation test: No mutagenic effect. (Salmonella typhimurium ; with and without metabolic activation) ; Method: OECD 471 ; Results obtained on a similar product.

In vitro gene mutations test on mammalian cells: No mutagenic effect. (Mouse lymphoma cells ; with and without metabolic activation) ; Method: OECD 476 ; Results obtained on a similar product.

Chromosomal aberration: No clastogenic effect. (Chinese hamster ovary cells ; with and without metabolic activation) ; Method: OECD 473 ; Results obtained on a similar product.

In vivo: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Mammalian erythrocyte micronucleus test: negative (Mouse ; Intraperitoneal) ; Method: OECD 474 ;

Results obtained on a similar product.

Carcinogenicity:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not classified

NOAEL: 1 200 mg/kg (Rat ; Female, Male ; Ingestion) ; Method: OECD 453 ; Results obtained on a similar product.

NOAEC: 0,1 mg/l (Rat ; Male ; Inhalation) ; Method: OECD 453

(Mouse ; female ; Dermal) ; The product is not considered to be carcinogenic.

Reproductive toxicity:

Fertility: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not classified

Reproduction/developmental toxicity screening test: NOAEL (parent): \geq 1 000 mg/kg ; NOAEL (F1): None. ; NOAEL (F2): None. (Rat ; Female, Male ; Ingestion) ; Method: OECD 421 ; Results obtained on a similar product.

Fertility study 1 generation: NOAEL (parent): \geq 2 000 mg/kg NOAEL (F1): None. ; NOAEL (F2): None.

(Rat ; female ; Dermal) ; Method: OECD 415

Teratogenicity: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Not classified

NOAEL (terato): \geq 5 000 mg/kg ; NOAEL (mater): \geq 5 000 mg/kg (Rat ; Ingestion) ; Method: OECD 414

NOAEL (terato): \geq 1 mg/l ; NOAEL (mater): \geq 1 mg/l (Rat ; Inhalation) ; Method: OECD 414

NOAEL (terato): \geq 2 000 mg/kg ; NOAEL (mater): \geq 2 000 mg/kg (Rat ; Dermal) ; Method: OECD 414

Specific Target Organ Toxicity - Single Exposure:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

Based on available data, the classification criteria are not met.

Aspiration Hazard:

Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

May be fatal if swallowed and enters airways.

11.2 Information on other hazards:

Endocrine disrupting properties:

No data available.

Other information:

None known.

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Fish: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

LL50 (Leuciscus idus; 96 h) : > 10 000 mg/l ; Method: OECD 203 ; Nominal loading rates (saturated solution or WAF/WSF). Results obtained on a similar product.

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6):

LC 50 (Oncorhynchus mykiss; 96 h ; Flow through) : > 0,016 mg/l ; Method: OECD 204 ; No toxicity at the limit of solubility

DECAMETHYLCYCLOPENTASILOXANE (541-02-6):

LC 50 (Oncorhynchus mykiss; 96 h ; Flow through) : > 0,016 mg/l ; Method: OECD 204

NOEC (Oncorhynchus mykiss; 96 h ; Flow through) : >= 0,016 mg/l ; Method: OECD 204

Aquatic Invertebrates: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

LL50 (Water flea (Daphnia magna); 48 h) : > 100 mg/l ; Method: OECD 202 ; Nominal loading rates (saturated solution or WAF/WSF). Results obtained on a similar product.

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6):

EC 50 (Water flea (Daphnia magna); 48 h ; Flow through) : > 0,0029 mg/l ; Method: OECD 202 ; No toxicity at the limit of solubility

DECAMETHYLCYCLOPENTASILOXANE (541-02-6):

EC 50 (Water flea (Daphnia magna); 48 h ; Flow through) : > 0,0029 mg/l ; Method: OECD 202

NOEC (Water flea (Daphnia magna); 48 h ; Flow through) : >= 0,0029 mg/l ; Method: OECD 202

Aquatic plants: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

NOELR (Algae (Pseudokirchneriella subcapitata); 72 h) : > 100 mg/l ; Method: OECD 201 ; Nominal loading rates (saturated solution or WAF/WSF).

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6):

NOEC (growth rate) (Algae (Pseudokirchneriella subcapitata); 72 h ; Static) : >= 0,002 mg/l ; Method: OECD 201 ; No toxicity at the limit of solubility

ErC50 (Algae (Pseudokirchneriella subcapitata); 72 h ; Static) : > 0,002 mg/l ; Method: OECD 201 ; No toxicity at the limit of solubility

DECAMETHYLCYCLOPENTASILOXANE (541-02-6):

EC 50 (Algae (Pseudokirchneriella subcapitata); 96 h ; Static) : > 0,012 mg/l ; Method: OECD 201

NOEC (Algae (Pseudokirchneriella subcapitata); 96 h ; Static) : >= 0,012 mg/l ; Method: OECD 201

Toxicity to microorganisms: No data available.

Chronic Toxicity:

Fish: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

(Fish) Method: Expert judgement ; No toxicity at the limit of solubility

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6):

NOEC (Oncorhynchus mykiss; 90 d ; Flow through) : >= 0,014 mg/l ; Method: OECD 210 ; No toxicity at the limit of solubility

DECAMETHYLCYCLOPENTASILOXANE (541-02-6):

NOEC (Oncorhynchus mykiss; 90 d ; Flow through) : \geq 0,014 mg/l ; Method: OECD 210

Aquatic Invertebrates: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

NOEL (Water flea (Daphnia magna); 21 d) : 10 mg/l ; Method: OECD 211 ; Nominal loading rates (saturated solution or WAF/WSF). Results obtained on a similar product.

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6):

NOEC (Water flea (Daphnia magna); 21 d ; semi-static) : \geq 0,0046 mg/l ; Method: OECD 211 ; No toxicity at the limit of solubility

DECAMETHYLCYCLOPENTASILOXANE (541-02-6):

NOEC (Water flea (Daphnia magna); 21 d ; semi-static) : \geq 0,015 mg/l ; Method: OECD 211

12.2 Persistence and Degradability:

Biodegradation: Based on our knowledge of the composition information:

WHITE MINERAL OIL (PETROLEUM) (8042-47-5):

The product is not considered to be readily biodegradable.

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6):

4,5 % (activated sludge, domestic, non-adapted ; 28 d) ; Method: OECD 310 ; The product is not readily biodegradable.

DECAMETHYLCYCLOPENTASILOXANE (541-02-6):

0,14 % (28 d) ; The product is not readily biodegradable.

BOD/COD Ratio: No data available.

12.3 Bioaccumulative potential:

Bioconcentration Factor (BCF): Based on our knowledge of the composition information:

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6):

Bioconcentration Factor (BCF): 2 860 (Fathead Minnow ; 49 d) ; Method: OECD 305 ; Has the potential to bioaccumulate.

DECAMETHYLCYCLOPENTASILOXANE (541-02-6):

Bioconcentration Factor (BCF): 16 200 (Pimephales promelas) ; Method: OECD 305 ; The product is not bioaccumulating.

Partition coefficient (n-octanol/water): Based on our knowledge of the composition information:

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6):

Log Kow: 8,87 (23 °C)

DECAMETHYLCYCLOPENTASILOXANE (541-02-6):

Log Kow: 8,02 (25,3 °C) ; Method: OECD 123

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

Based on our knowledge of the composition information:

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6):

Meets vPvB criteria (REACH (1907/2006) Ax XIII)

DECAMETHYLCYCLOPENTASILOXANE (541-02-6):

Meets vPvB criteria (REACH (1907/2006) Ax XIII)

12.6 Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods:

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Waste of this material should not be mixed with other waste.

Contaminated Packaging:

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

SECTION 14: Transport information

ADR

Not regulated.

ADN

Not regulated.

RID

Not regulated.

IMDG / IMO

Not regulated.

IATA

Not regulated.

SECTION 15: Regulatory information

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

EU Regulations:

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:
none

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: none
EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended: None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended: None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended: None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended: None present or none present in regulated quantities.

EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17:

Chemical name	CAS-No.
Aluminium hydroxide	21645-51-2
octamethylcyclotetrasiloxane	556-67-2

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):

Chemical name	CAS-No.	Concentration	Additional Information:
Dodecamethylcyclohexasiloxane	540-97-6	0,1 - 1,0%	very Persistent and very Bioaccumulative (vPvB)
Decamethylcyclopentasiloxane	541-02-6	0,1 - 1,0%	very Persistent and very Bioaccumulative (vPvB)

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Entry No.	Concentration:
Decamethylcyclopentasiloxane	541-02-6	70	0,1 - 1,0%

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable.

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

Inventory Status:

Australia AICS:	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.

SECTION 16: Other information

Revision Information:

Not relevant.

Abbreviations and acronyms:

CLP: Regulation No. 1272/2008.
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
NOAEL - No Observable Adverse Effect Level
LOAEL - Lowest Observable Adverse Effect Level

Wording of the H-statements in section 2 and 3:

H304 May be fatal if swallowed and enters airways.

Issue Date: 06.03.2023

Disclaimer:

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.