1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Generic Safety Data Sheet

1.1. Identification of the product

Identification of the mixture: **Koydasil RA-RB 001.**

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

Use of the Substance/Mixture: Coatings, impregnating compositions.

1.3. Details of the supplier of the safety data sheet

Supplier:

KOYDA NOVA
9, Fominykh Lane
Dzerzhinsk, 222720 Republic of Belarus
Telephone: +375171669705
E-mail address: info@koydanova.com
https://koydanova.com/

1.4. Emergency telephone number

+3751716 69705
European emergency phone number: 112

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008):

Reproductive toxicity, 2, H361.

Additional Information:

The full text of the wording of the risk factors mentioned in this section is provided in Section 16.

2.2. Label elements

Label elements (REGULATION (EC) No 1272/2008):

Hazard pictograms:

Signal word: **Caution**

Hazard statements:

H413: May cause long-term adverse effects in the aquatic environment.

Precautionary statements

Prevention:
P201 : Before use, be instructed to work with this product.
P202 : Read safety instructions before use.
P280 : Wear protective gloves / protective clothing / eye / face protection.
P405 : Keep out of reach.

Response:
P308 + P313 : When susceptible to exposure, seek medical attention.

Disposal:
P501 : Dispose of contents/ container to an approved waste disposal plant.
Contains: Polydimethylsiloxane.

2.3. Other hazards

Physical and chemical hazards: No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical nature of the mixture[1]:
Silicone emulsion.

Hazardous components (accordance with Annex II of Regulation (EC) No 1907/2006 and its amendment(s)) :

Chemical name & REACH Registration Number	CAS-No.	Concentration	Classification REGULATION (EC) No. 1272/2008
Polydimethylsiloxane	70131-67-8	<= 60 %	Aquatic Chronic 3 H413

1. Наименование, присвоенное отгрузке - см. главу 14.2 ; Применимые исключения и меры предосторожности приведены в тексте норматива :
Переходный период согласно Постановлению REACH, статья 23, еще не истек.

The full text of the risk factor statements mentioned in this Section is provided in Section 16.

4. FIRST AID MEASURES

4.1. Description of necessary first-aid measures:

General advice:
If there is a risk of exposure, see the specific requirements for personal protective equipment in Section 8.

Inhalation:
If exposed, remove to fresh air. Consult a doctor.

Skin contact:
Wash off with plenty of water.

Eye contact:
Rinse thoroughly with water for several minutes. Remove contact lenses after the first 1-2 minutes, and continue to rinse for a few more minutes. In the event of consequences, consult your doctor, best with an ophthalmologist.

Ingestion:
Urgent medical care is not required.

4.2. Most important symptoms/effects, acute and delayed:

In addition to the information provided in the description of first aid measures (above) and parts of the Indication of the need for immediate medical attention and the need for special treatment (see below), all other important symptoms and effects are described in section 11: Toxicological information.

4.3. Indication of immediate medical attention and special treatment needed, if necessary:

There is no specific antidote. Supportive treatment. Treatment is based on the decision of the doctor, taking into account the patient's response.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:	Material not lit. In case of contact with fire from another source, an extinguishing agent appropriate to this fire should be used. Water spraying alcohol-resistant foam, carbon dioxide (CO2), dry chemicals.
Unsuitable extinguishing media:	None known.

5.2. Special hazards arising from the substance or mixture

Possible formation of carbon oxides, silicon oxides.

5.3. Special danger of ignition and explosion

Exposure to combustion products may be hazardous to health.

5.4. Advice for firefighters

Remaining combustion residues and contaminated fire extinguishing water must be disposed of in accordance with local legislation.
Apply extinguishing measures appropriate to local conditions and surroundings. Water sprinklers can be used to cool closed containers. Remove intact containers from the fire zone if safe. Leave the danger zone.

Special protective measures applied by firefighters:

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedure

Wear suitable protective clothing, gloves and eye / face protection. Provide adequate ventilation. Place of evacuation of all excess personnel.

6.2. Environmental precautions

Avoid release of material to the environment. Prevent further leakage or spill.
if it is possible to do it safely. Prevent spreading over a wide area (for example, by containment or by oil barriers). Retain and dispose of contaminated wash water. Local authorities should be notified if it is impossible to hold leaks on a large scale.

6.3. Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Local or national laws may apply to the release and disposal of this material, as well as to the materials and items used to eliminate the effects of the reaction. You must determine applicable laws. In the event of a major leak, provide protection with a dam or other appropriate barrier to limit the spread of the material. If fenced material can be pumped out, store the recovered material in an appropriate container. Remove residual material after leakage with an appropriate adsorbent.
Recovery:

6.4. Reference to other sections: See sections 7, 8, 11, 12 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid breathing vapor or mist. You can not swallow. Avoid contact with eyes. Avoid prolonged or repeated skin contact.
Take measures to prevent leaks, waste generation and minimize emissions to the environment.
Use in accordance with industrial hygiene and safety regulations.
Use only with adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Store in factory containers. Keep out of reach. Store in accordance with specific national regulations.

Do not store with the following types of products: Strong oxidizing agents.
Unsuitable container materials: Metallic.

7.3. Special conditions of use of the product

Mix the product before use.
When transporting and storing the product, don’t allow freezing.
Store in a closed warehouse, protected from direct sunlight, at an ambient temperature of 5-35°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limit Values:	Not relevant.
Derived No Effect Level (DNEL):	No data available.
Predicted No Effect Concentration:	No data available.

8.2. Exposure controls

Appropriate engineering controls:	Use local exhaust ventilation or other technical measures to maintain spray levels in the air within the limits or recommended values. If these applicable values are not set, then general ventilation is sufficient for most operations. Some operations may require local exhaust ventilation.
Personal protective equipment:	
Respiratory protection:	If there is a possibility of exceeding the limit or recommended exposure values, respirators should be used. If applicable limits or recommended exposure values are not established, respirators should be used for adverse effects - for example, in case of irritation of the respiratory tract or discomfort, as well as on the basis of a risk assessment. In most conditions, respiratory protection is not required; however, when heating or

	splashing the material, an approved air-purifying respirator should be used. The following are the effective types of air-purifying respirators: Filter element for organic vapors with pre-cleaning of microparticles.
Hand protection:	In the event of prolonged or frequent repeated contact, use gloves that are not permeable to this material. For the manufacture of protective gloves, it is preferable to use the following materials: butyl rubber, neoprene, nitrile / butadiene rubber, layered material based on ethyl vinyl alcohol ("EVAL"). Polyvinyl chloride (PVC), Viton, Acceptable materials for protective gloves include: natural rubber, do not use gloves made from: polyvinyl alcohol, ATTENTION: When choosing special gloves for a particular application and when determining the duration of their use at the workplace, all factors should also be considered specific to the workplace, including: possible handling of other chemicals, physical requirements (protection against cuts / punctures, handling capabilities, thermal protection) , possible body reactions to glove material, as well as recommendations / technical characteristics of the glove manufacturer.
Eye/face protection:	Face shield or goggles with side shields conforming to EN166. Eye wash bottle with clean water.
Skin and body protection:	Wear clean, long-sleeved body covering clothing.

Environmental exposure controls: See chapter 6.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	
Physical state (20°C)	Liquid
Color	White
Olfactory threshold:	No data available
pH:	6,5-8,5
Drop point:	No data available
Boiling point/boiling range:	>65 ºC
Flash point:	>100 ºC
Evaporation rate:	No data available
Flammability (solid, gas):	
Flammability	Not relevant
Vapour pressure:	No data available
Vapour density:	No data available
Density:	900-1200 g/dm3, at 20 ºC depending on grade
Water solubility:	
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	
Explosivity:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.

9.2. Other data: None.

10. STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions: May react with strong oxidizing agents.

10.4. Conditions to avoid: No data available.

10.5. Incompatible materials to avoid:

Oxidizing agents.

10.6. Hazardous decomposition products:

Formaldehyde formation is possible.

11. TOXICOLOGICAL INFORMATION

All available information on this product and / or its components listed in Section 3 and / or similar substances / metabolites have been taken into account in the hazard assessment.

11.1. Information on toxicological effects

Acute toxicity

Inhalation: **According to its composition : Slightly harmful by inhalation.**

Ingestion: **According to its composition : Slightly harmful by ingestion.**

Dermal: **According to its composition : Slightly harmful in contact with skin.**

Local effects (Corrosion / Irritation / Serious eye damage)

Skin contact: **According to its composition, can be considered as : Non irritating to skin.**

Eye contact: **According to its composition : Causes serious eye damage.**

Respiratory or skin sensitisation

Inhalation: **According to its composition : Not a inhalation sensitizer.**

Skin contact: **According to its composition : Not a skin sensitizer.**

CMR effects

Mutagenicity: **The test results do not allow to consider the product as genotoxic.**

Carcinogenicity: **Based on the available data, the substance is not suspected of having carcinogenic potential.**

Reproductive toxicity:

Fertility: **Based on the available data, the substance is not suspected of having reprotoxic potential.**

Foetal development: **Based on the available data, the substance is not suspected of having developmental toxicity potential.**

Specific target organ toxicity

Single exposure

Inhalation:	**Based on available data, the classification criteria are not met.**
Repeated exposure:	**The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.**
Aspiration hazard:	Not relevant

12. ECOLOGICAL INFORMATION

Ecotoxicology Assessment:

12.1. Acute toxicity

Fish:

Polydimethylsiloxane: LC50, 96 h (Lepomis macrochirus): 37.97 mg / l (Method: Test Guidelines for OECD Guideline 203).

Aquatic invertebrates:

Polydimethylsiloxane: EC50, 48 h (Daphnia magna): 44.5 mg / l (Method: OECD Guideline 202).

Aquatic plants: No data available.

Aquatic toxicity / Long term toxicity

Aquatic invertebrates: No data available.

Non aquatic toxicity / Acute toxicity

Toxicity to soil dwelling organisms: No data available.

12.2. Persistence and degradability

Biodegradation (In water):

Polydimethylsiloxane: Not a fast biodegradable product.

Polydimethylsiloxane: 0% After 30 days. (Method: OCDE Guideline 301 D).

12.3. Bioaccumulative potential

Bioaccumulation: No data available.

12.4. Mobility in soil - Distribution among environmental compartments: No data available.

12.5. Results of PBT and vPvB assessment: None.

12.6. Other adverse effects:

Global warming potential (GWP): Not relevant (due to the chemical structure).

Ozone depletion potential: Not relevant (due to the chemical structure).

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment:

Disposal of product: It is necessary to prevent product from entering sewers, water courses or soil. Burn in an appropriate incinerator in accordance with local laws. All disposal methods must comply with federal, state / state and local laws and regulations. Different countries may apply different rules. Classification of waste and ensuring their compliance with the requirements of the laws are the responsibility of the company, in the course of which this waste was generated according to the European Industrial Waste Catalog, the norms and rules for waste disposal are determined not for the product, but for the type of use. Regulations and rules for waste disposal should be established by the consumer based on the application for which the product was intended.

Disposal of packaging: Recycle or dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1 UN number:

Not a dangerous cargo in the sense of RID, ADR, ADN, IMDG, IATA-DGR.

14.2 Proper shipping name:

Not a dangerous cargo in the sense of RID, ADR, ADN, IMDG, IATA-DGR.

14.3 Transport hazard class (s):

Not a dangerous cargo in the sense of RID, ADR, ADN, IMDG, IATA-DGR.

14.4 Packing group:

Not a dangerous cargo in the sense of RID, ADR, ADN, IMDG, IATA-DGR.

14.5 Environmental risks:

Not a dangerous cargo in the sense of RID, ADR, ADN, IMDG, IATA-DGR.

14.6 Special precautions for users:

Not a dangerous cargo in the sense of RID, ADR, ADN, IMDG, IATA-DGR.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

15. REGULATORY INFORMATION

Safety data sheets: accordance with Annex II of Regulation (EC) No 1907/2006 and its amendment(s).

Classification and labeling are in accordance with the rules.

16. OTHER INFORMATION

Full text of the wording of the risk facts referenced in sections 2 and 3

H413 May cause long-term adverse effects in the aquatic environment.

Bibliography Related CAS number: 70131-67-8 for inventory purpose.

Thesaurus:

NOAEL : No Observed Adverse Effect Level (NOAEL)
LOAEL : Lowest Observed Adverse Effect Level (LOAEL)
bw : Body weight
food : oral feed dw : Dry weight
vPvB : very Persistent and very Bioaccumulative
PBT : Persistent, Bioaccumulative and Toxic

This safety data sheet complies with international standard ISO 11014-1. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of