SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: REDUR AD 90

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

Use of the Substance/Mixture: Paint

Recommended restrictions on use: All those uses not specified under this heading or in subsection 7.3

1.3 Details of the supplier of the safety data sheet:

Secil Martingança SA
Rua do Mercado
2405-018 Maceira Leiria - Portugal
Phone: +351244770220 - Fax: +351244777997
comercial.seciltek@secil.pt
https://www.seciltek.com

1.4 Emergency telephone number: CIAV: 800 250 250

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Regulation no. 1272/2008 (CLP):

According to Regulation No. 1272/2008 (CLP), this product is not classified as hazardous

2.2 Label elements:

Regulation no. 1272/2008 (CLP): None

2.3 Other hazards:

The product does not fulfil the PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Not applicable

3.2 Mixtures:

Chemical nature: Mixture of substances

Components:

According to Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identifiers	Chemical name/classification		Concentration
CAS: 64742-81-0 EC: 265-184-9 Index: 649-423-00-8 REACH: 01-2119462828-25-XXXX	**Kerosene (petroleum), hydrodesulfurized (23 ºC < FP < 60 ºC)[1]** Self-classified		**1 - <2 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H336 - Hazard 	

[1] Substance presenting a health or environmental hazard within the meaning of Regulation (EU) no. 2015/830

For more information regarding the hazardous properties of the substances, please refer to sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, direct exposure to the chemical or persistent symptoms, seek medical attention by showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous by inhalation, however, in case of symptoms of intoxication it is recommended to remove the affected person from the exposure area and provide him/her with fresh air and keep him/her at rest. Seek medical attention if symptoms persist.

By skin contact:

- TO BE CONTINUED -

SECTION 4: FIRST AID MEASURES (continued)

This product does not contain substances classified as hazardous in contact with skin. However, in case of contact with the skin it is recommended to remove contaminated clothing and footwear, rinse the skin with water or shower the affected person if necessary with plenty of cold water and neutral soap. In serious cases please see a doctor.

By eye contact:

Rinse eyes thoroughly with plenty of water for at least 15 minutes. If the affected person wears contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after rinsing, seek medical advice as soon as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, if this happens, keep the head bent forward to avoid aspiration. Keep the affected person at rest. Rinse mouth and throat, as there is a possibility that they may have been affected during ingestion.

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

The acute and delayed effects are as set out in points 2 and 11.

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

Not applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Non-flammable product under normal conditions of storage, handling and use with flammable substances. In case of fire as a result of improper handling, storage or use, preferably use polyvalent powder extinguishers (ABC powder) in accordance with the Regulation on Fire Protection Installations. It is NOT RECOMMENDED to use water jet as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a consequence of combustion or thermal decomposition, reaction by-products are generated that can be highly toxic and, consequently, can present a serious health risk.

5.3 Recommendations for firefighters:

Depending on the magnitude of the fire, full protective clothing and self-contained breathing apparatus may be required. Minimum emergency facilities or action elements to be provided (fire blankets, portable first aid kit, etc.) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on procedures to deal with accidents and other emergencies. Suppress any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or "BLEVE" as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into the aquatic environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk to persons carrying out this task. Evacuate the area and keep unprotected persons away. If there is a potential contact with the spilled product, the use of personal protection elements is compulsory (see section 8). As a priority, avoid the formation of flammable vapour-air mixtures either by ventilation or by using a stabilizing agent (inerting). Remove any source of ignition. Eliminate electrostatic charges by interconnecting all conducting surfaces on which static electricity can form and by grounding the whole unit.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains hazardous substances. Contain the absorbed product in sealed containers. In the case of serious release into the aquatic environment, notify the relevant authority.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb with sawdust or other combustible absorbents. For any disposal advice, please refer to section 13.

6.4 Reference to other sections:

Please refer to Sections 8 and 13.

- TO BE CONTINUED -

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe handling

Comply with the current legislation on the prevention of occupational risks. Keep containers hermetically sealed. Control leakages and waste, disposing them with safe methods (section 6). Avoid free spillage from the container. Maintain order and cleanliness where dangerous products are handled.

B.- Technical recommendations for the prevention of fires and explosions.

Avoid the evaporation of the product as it contains flammable substances which may form flammable vapour/air mixtures in the presence of ignition sources. Control the ignition sources (mobile phones, sparks, etc.) and transfer at slow speed to avoid the creation of electrostatic charges. Avoid projections and spraying. Refer to section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks.

Do not eat or drink during handling, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks.

It is recommended to keep absorbent material in close proximity to the product (see subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Min. temperature: 5ºC

Max. Temperature: 30ºC

Max. Time: 6 months

B.- General storage conditions.

Avoid sources of heat, radiation, static electricity and contact with food. For additional information, please refer to subsection 10.5.

7.3 Specific end use(s):

Except for the instructions already specified, it is not necessary to provide any special recommendations regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limit values are to be monitored in the work environment (Decree-Law no. 24/2012 and Portuguese Standard NP 1796-2014):

Identification	Environmental limit values		
Kerosene (petroleum), hydrodesulfurized (23 ºC < FP < 60 ºC)	TLV-TWA		200 mg/m³
CAS: 64742-81-0 EC: 265-184-9	TLV-STEL		

DNEL (Workers):

Not applicable

DNEL (Population):

Not applicable

PNEC:

Not applicable

8.2 Exposure controls:

A.- General safety and hygiene measures in the workplace

As a preventive measure, the use of basic Personal Protective Equipment with the corresponding CE marking is recommended. For further information on personal protective equipment (storage, use, cleaning, maintenance, protection class, etc.) please refer to the information leaflet provided by the PPE manufacturer. The indications contained in this section refer to the neat product. Protective measures for the diluted product may vary depending on its degree of dilution, use, method of application, etc. In order to determine the compliance with the installation of emergency showers and/or eye-wash facilities in warehouses, the regulations governing the storage of chemical products applicable in each case should be taken into account. For further information, please refer to subsections 7.1 and 7.2.

All the information provided here is a recommendation, requiring implementation by the occupational risk prevention services in the absence of additional preventive measures that the company may have at its disposal.

B.- Respiratory protection:

- TO BE CONTINUED -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

The use of protective equipment will be necessary if mists are formed or occupational exposure limits are exceeded.

C.- Specific protection for hands.

Pictogram	PPE	Labelling	CEN standards	Remarks
 Mandatory hand protection	Protective gloves against minor risks	CE CAT I		Replace gloves if there is any sign of deterioration. For prolonged periods of exposure to the product for professional/industrial users it is recommended to use CE III gloves according to EN 420:2003+A1:2009 and EN ISO 374-1:2016

As the product is a mixture of different substances, the resistance of the glove material cannot be calculated in advance with total reliability and has therefore to be checked prior to application.

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN standards	Remarks
 Mandatory face protection	Panoramic glasses against splash/ projections	CE CAT II	EN 166:2001 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. It is recommended to use in case of risk of splashes.

E.- Body protection

Pictogram	PPE	Labelling	CEN standards	Remarks
	Workwear	CE CAT I		Replace if there is any sign of deterioration. For extended periods of exposure to the product by professional/industrial users, CE III according to EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1995 is recommended.
	Slip-resistant work shoes	CE CAT II	EN ISO 20347:2012	Replace if there is any sign of deterioration. For extended periods of exposure to the product by professional/industrial users CE III according to EN ISO 20345:2012 and EN 13832-1:2007 is recommended

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with EU environmental protection legislation, it is recommended to avoid spillage of both the product and its container into the environment. For additional information, please refer to subsection 7.1.D.

Volatile organic compounds:

In accordance with Decree-Law No 127/2013 (Directive 2010/75/EU), this product has the following characteristics:

V.O.C. (Supply):	1,9 % by weight
V.O.C. density at 20ºC:	20,76 kg/m³ (20,76 g/L)
Average number of carbons:	12
Average molecular weight:	184,4 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information please refer to the technical data sheet of the product.

Physical appearance:

Physical state at 20ºC:	Liquid.
Appearance:	Not applicable

* No data available or not applicable due to product's nature and hazard

- TO BE CONTINUED -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ochre
Odour:	Characteristic
Odour threshold:	Not applicable *
Volatility:	
Boiling point at atmospheric pressure:	175 ºC
Vapour pressure at 20 °C:	307 Pa
Vapour pressure at 50 °C:	3164,83 Pa (3,16 kPa)
Evaporation rate at 20 °C:	Not applicable *
Product description:	
Density at 20 °C:	1092,8 kg/m³
Relative density at 20 °C:	1,48 - 1,52
Dynamic viscosity at 20 °C:	Not applicable *
Kinematic viscosity at 20 °C:	Not applicable *
Kinematic viscosity at 40 °C:	Not applicable *
Concentration:	Not applicable *
pH:	8,5
Vapour density at 20 °C:	Not applicable *
Partition coefficient n-octanol/water:	Not applicable *
Solubility in water at 20 °C:	Not applicable *
Solubility properties:	Not applicable *
Decomposition temperature:	Not applicable *
Melting point/freezing point:	Not applicable *
Explosive properties:	Not applicable *
Oxidising properties:	Not applicable *
Flammability:	
Flash Point:	Non-flammable (>60 ºC)
Flammability (solid, gas):	Not applicable *
Autoignition temperature:	200 ºC
Lower flammability limit:	Not applicable *
Upper flammability limit:	Not applicable *
Explosive:	
Lower explosive limit:	Not applicable *
Upper explosive limit:	Not applicable *

9.2 Other information:

Surface tension at 20 ºC:	Not applicable *
Refraction index:	Not applicable *

* No data available or not applicable due to product's nature and hazard

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are to be expected if the technical instructions for the storage of chemical products are followed.

10.2 Chemical stability:

Chemically stable under appropriate conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

- TO BE CONTINUED -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Precaution	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met and no substance is classified as dangerous if swallowed. For more information please refer to Section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met; however, substances classified as hazardous for this article are present. For more information please refer to Section 3.

B- Inhalation (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met and no substance is classified as hazardous by inhalation. For more information please refer to Section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met and no substances are classified as dangerous for this article. For more information please refer to Section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with skin: Based on available data, the classification criteria are not met, however, it does contain substances classified as hazardous by skin contact. For more information please refer to Section 3.
- Contact with eyes: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information please refer to Section 3.

D- CMR Effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information please refer to Section 3.

IARC: Not applicable

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information please refer to Section 3.
- Toxicity to reproduction: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information please refer to Section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met and there are no substances classified as hazardous with sensitising effects. For more information please refer to Section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information please refer to Section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met; however, it contains substances classified as hazardous by inhalation. For more information please refer to Section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- TO BE CONTINUED -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information please refer to Section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information please refer to Section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for this effect. For more information please refer to Section 3.

Other information:

Not applicable

Specific toxicology information on the substances:

Not available

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the ecotoxicological properties of the product itself is not available

12.1 Toxicity:

Identification	Acute toxicity		Species	Genus
Kerosene (petroleum), hydrodesulfurized, (23 ºC < FP < 60ºC) CAS: 64742-81-0 EC: 265-184-9	CL50	1 - 10 mg/L (96 h)		Fish
	EC50	1 - 10 mg/L		Crustacean
	EC50	1 - 10 mg/L		Algae

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Not available

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Type of waste (Regulation (EU)n. °1357/2014)
08 01 12	waste paint and varnish other than those mentioned in 08 01 11	Non hazardous

Type of waste (Regulation (EU) no. 1357/2014):

Not applicable

Waste management (disposal and evaluation):

Consult the authorised waste manager concerning the assessment and disposal operations, in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, Decree-Law 73/2011). In accordance with codes 15 01 (Commission Decision 2014/955/EU), in case the container has been in direct contact with the product, it will be processed in the same way as the product itself, otherwise it will be treated as non-hazardous waste. Disposal via the sewage system is not recommended. Please refer to subsection 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are presented.

Community legislation: Directive 2008/98/EC, Commission Decision 2014/955/EU, Regulation (EU) No. 1357/2014

National legislation: Decree-Law No 73/2011

- TO BE CONTINUED -

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Not applicable

Substances included in Annex XIV of REACH (authorisation list) and expiry date: Not applicable

Regulation (EC) 1005/2009 on substances that deplete the ozone layer: Not applicable

Article 95, Regulation (EU) No. 528/2012: Not applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not applicable

Seveso III:

Not applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH,etc...):

Not applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information compiled in this safety data sheet as input data in a risk assessment of the local circumstances in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

Decree-Law No. 220/2012, of 10 October, which ensures the implementation in the internal legal order of the obligations arising from Regulation (EC) No. 1272/2008, of the European Parliament and of the Council, of 16 December, regarding the classification, labelling and packaging of substances and mixtures, which amends and repeals Directives No. 67/548/EEC and 1999/45/EC and amends Regulation (EC) No. 1907/2006.
Decree-Law no. 293/2009, of 13 October, which ensures the execution, in the national legal system, of the obligations resulting from Regulation (EC) no. 1907/2006, of the European Parliament and of the Council, of 18 December, regarding the registration, evaluation, authorization and restriction of chemical products (REACH) and which creates the European Chemicals Agency.
Decree Law no. 33/2015, of 4 March - Establishes obligations regarding the export and import of hazardous chemicals, ensuring the execution, in the internal legal system, of Regulation (EU) no. 649/2012, of the European Parliament and of the Council.
Decree-Law 41-A/2010 of 29 April that regulates the road and rail transport of dangerous goods. Decree-Law no. 24/2012 of 6 February, amended by D.L. no. 88/2015 of 28 May and by D.L. no. 41/2018 of 11
June. Consolidates the minimum requirements for the protection of workers against health and safety risks due to exposure to chemical agents at work and transposes Commission Directive 2009/161/EU, of 17 December 2009.
Decree-law no. 73/2011, of 17 June - Introduces the third amendment to Decree-law no. 178/2006, of 5 September, transposes Directive no. 2008/98/EC, of the European Parliament and of the Council, of 19 November, regarding waste, and amends several legal regimes in the area of waste amended by Decree-law no. No. 73/2011 of 17 June 2011 - Introduces the third amendment to Decree-Law No. 178/2006 of 5 September 2006, transposes Directive No. 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste.
Commission Decision 2014/955/EU - European List of Waste.

Decree Law no. 127/2013 of 30 August, which transposes the limitation on the emission of volatile organic compounds resulting from the use of organic solvents in certain activities and installations, as set out in Decree Law no. 242/2001 of 31 August, as amended by Decree Laws no. 181/2006 of 6 September and 98/2010 of 11 August, which transposes Council Directive no. 1999/13/EC of 11 March 1999 into internal legal order.

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out by the supplier.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II - Guidance on compilation of Safety Data Sheets of the Regulation (EC) No 1907/2006 (Regulation (EU) No 2015/830)

Changes to the previous safety data sheet that affect risk management measures:

- TO BE CONTINUED -

SECTION 16: OTHER INFORMATION (continued)

Not applicable

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself, they are for information purposes only and make reference to the individual components that appear in the section 3

Regulation no 1272/2008 (CLP):

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways

Flam. Liq. 3: H226 - Flammable liquid and vapour
Skin Irrit. 2: H315 - Causes skin irritation
STOT SE 3: H336 - May cause drowsiness or dizziness

Classification procedure:

Not applicable

Advice on training:

Minimum training in occupational risk prevention is recommended for the personnel handling this product, in order to facilitate the understanding and interpretation of this safety data sheet and the product label.

Main bibliographic sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

(ADR) Agreement concerning the International Carriage of Dangerous Goods by Road
(IMDG) International Maritime Dangerous Goods Code
(IATA) International Air Transport Association
(ICAO) International Civil Aviation Organization
(COD) Chemical Oxygen Demand
(BOD5) Biological oxygen demand at 5 days
(BCF) Bioconcentration factor
(LD50) Lethal dose for 50% of a test population (median lethal dose)
(LC50) Lethal concentration for 50% of a test population
(EC50) Effective concentration for 50% of a test population
(Log POW) logarithm of octanol-water partition coefficient
(Koc) organic carbon partition coefficient
(CAS) CAS number (Chemical Abstracts Service)
(CMR) Carcinogenic, mutagenic or toxic for reproduction
(DNEL) Derived No Effect Level
(CE) EINECS and ELINCS number (see also EINECS and ELINCS)
(PBT) Persistent, Bioaccumulative and Toxic Substance
(PNEC) Predicted No Effect Concentration
(PPE) Personal protective equipment
(STOT) Specific target organ toxicity
(vPvB) Persistent, bioaccumulative and toxic or very persistent and very bioaccumulative