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MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		RDW Sunflower Oil			
Biological Definition		The oil is obtained from Sunflower Seeds and is then refined.			
INCI Name		Helianthus Annuus Seed Oil			
Synonyms & Trade Names		-			
CAS-No	8001-21-6	EC No.	232-273-9	EINECS No.	232-272-9
1.2 Relative identified uses of the substance or mixture and uses advised against					
No additional data					
1.3 Details of the supplier of the safety data sheet					
1.4 Emergency Tel. No.		+ 44 (0) 1260 222 943			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
No additional data	
Classification (EC 1272/2008)	
Not classified as hazardous.	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	

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None	
Signal Word	None
Contains	None
Hazard Statements	
None	
Precautionary Statements	
None	
Supplementary Statements	
None	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data
Adverse physio-chemical properties	No additional data
Adverse effects on human health	No additional data

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
<u>100% Helianthus Annuus Seed Oil</u> CAS: 8001-21-6 Classification: Not classified as hazardous

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	No vapours should be generated under normal handling conditions. If oil is inhaled, seek medical advice.
Ingestion	No adverse effects expected from this product or the amount likely to be ingested accidentally. If discomfort does occur, seek medical advice.
Skin Contact	Remove contaminated clothing and wash before reuse. Wash skin with soap and water. No adverse effects are expected from contact with this product however if discomfort does occur, seek advice.
Eye Contact	Rinse with clean water for a minimum of fifteen minutes. If discomfort occurs/continues, seek medical attention.
4.2 Most important symptoms and effects, both acute and delayed	
No additional data	
4.3 Indication of any immediate medical attention and special treatment needed	

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Treat symptomatically. Accident with vegetable of edible quality.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media –

- Fire Blanket
- Foam
- Dry Powder
- Carbon Dioxide

Unsuitable extinguishing media –

- Water Jet

5.2 Special hazards arising from the product

It is possible that this product may produce carbon monoxide in the event of fire.

5.3 Advice for firefighters

Wear self-contained respiratory equipment and appropriate protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special measures are expected to be needed under normal conditions.

6.2 Environmental Precautions

Keep away from drains, surface and ground water of any description.

6.3 Methods and material for containment and cleaning up.

Contain and absorb with sand or other inert material. Clean with hot water and detergent.

6.4 Reference to other sections

Section 13

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle with care to avoid spillage. Surfaces may remain slippery in the event of spillage. Do not eat, drink or smoke whilst handling this product. If handling large/heavy packages or drums, ensure the use of appropriate equipment.

7.2 Conditions for safe storage, including any incompatibilities

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Store in a cool, dry, well-ventilated area. Store in original containers or a tank (preferably made of stainless steel). Bunding or similar precautions are recommended to contain spillage or leaks.

7.3 Specific end use(s)

No additional data

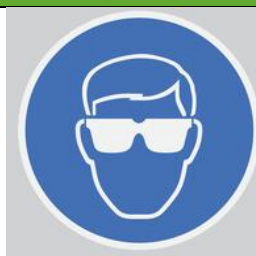
08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No additional data

8.2 Exposure controls

Protective Equipment



Process Conditions

No additional data

Engineering Measures

Install eyewash stations in suitable places and ensure adequate ventilation throughout all areas.

Respiratory Equipment

Not usually required for this product providing adequate ventilation is available in all areas.

Hand Protection

Wear appropriate protective gloves.

Eye Protection

Wear appropriate safety goggles and face shield, if there is a risk of splashing.

Other Protection

No additional data

Hygiene Measures

Good hygiene practices are always advised, especially when handling chemicals, oils or any other similar substances.

Personal Protection

No additional data

Skin Protection

Wear appropriate protective clothing.

Environmental Exposure Controls

No additional data

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Liquid

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Colour	Yellow
Odour	Neutral
Density @ 25°C	0.90 – 0.93 g/ml
Flash Point (°C)	>300°C
Refractive Index	No additional data
Melting Point (°C)	Liquid at ambient temperatures
Boiling Point (°C)	No additional data
Vapour Pressure @ 200°C	<0.01 mmHg
Solubility in Water @20°C	Insoluble
Auto-ignition temperature (°C)	No additional data
9.2 Other information	
No additional data	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Expected to be stable. Becomes rancid on prolonged exposure to air.	
10.2 Chemical stability	
No additional data	
10.3 Possible hazardous reactions	
No additional data	
10.4 Conditions to Avoid	
Oxidation promoting conditions, heat and UV light	
10.5 Incompatible materials	
Pro-oxidant	
10.6 Hazardous Decomposition Products	
None known	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects
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Acute Toxicity	This substance is a non-toxic vegetable oil.
Skin corrosion / irritation	No additional data
Serious eye damage / irritation	Slight irritation may occur upon eye contact.
Respiratory or skin sensitisation	No additional data
Germ Cell Mutagenicity	No known effects
Carcinogenicity	No known effects
Reproductive toxicity	No known effects
STOT-single exposure	No additional data
STOT-repeated exposure	No additional data
Aspiration hazard	No additional data
Photo-toxicity	No additional data
Other Information	No additional data

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No additional data
12.2 Persistence & degradability
No additional data
12.3 Bioaccumulation Potential
No bioaccumulation is expected.
12.4 Mobility in soil
Floats on water. Immobilises by absorption to soil particles.
12.5 Results of PBT and vPvB Assessment
No additional data
12.6 Other adverse effects
No additional data

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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Always dispose of this product in accordance with local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not Classified
UN No. SEA	Not Classified
UN No. AIR	Not Classified
14.2 UN proper shipping name	
Not Classified	
14.3 Transport hazard class(es)	
Not Classified	
14.4 Packing group	
Not Classified	
14.5 Environmental hazards	
Not Classified	
14.6 Special precautions for user	
Not Classified	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
Not Classified	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
No additional data	
15.2 Chemical safety assessment	
No additional data	

16. OTHER INFORMATION

Hazard Statements in Full	None
Revision Date	02/01/2019
Rev No	9

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DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.