

Version No 1

MIDEL Regen[™]

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SDS Reference Number: ReG062301

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June 2023

SECTION 1. Identification of the Substance/Mixture and of the Company/Undertaking	against Product use: Die Uses advised ag 1.3 Details of t Company: M&I M UK. Telephone: +44 Email: mideltech 1.4 Emergency	AIDEL Regen [™] . entified uses of the substant electric fluid. painst: None. he supplier of the substant Materials Limited, Hibernia W (0)161 864 5411. @mimaterials.com	ce or mixture /ay, Trafford Park, Manc	
	Opening hours: 1.5 Other com National Poisons Country United Kingdom		S contact details Address Dudley Road B18 7QH Birmingham	Web Address www.npis.org
SECTION 2. Hazards Identification	contact your gene or NHS Direct (W This product is no information purpo 1907/2006, as an	nt classified as hazardous ar ses, in accordance with reg nended by UK REACH Regu	NHS 111 (England), NH nd this document has be ulation REACH Regulati	HS 24 (Scotland) en compiled for on (EC) No
	 communication guidelines. 2.1 Classification of the substance or mixture Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567: Not classified. 2.2 Label elements Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567): No symbol or signal word. 2.3 Other hazards 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. 			





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on Ingredients	3.1 Substance Not applicable.				
on Ingredients	3.2 Mixture Description: Fatty acids, C5-10 (linear and branched), mixed esters with pentaerythritol. Composition:				
	Fatty acid tetra esters	68424-31-7 270-291-9 N/A	None	>99.5%	
	Performance enhancing additives	Proprietary	None	<0.5%	
		ted on the TSCA inventory ot lead to classification of t			
SECTION 4. First Aid Measures	General advice: Have calling the emergency Inhalation: None envi Skin: Wash with soap Eyes: Irrigate with cop develops.	irst aid measures e the product container, lal number, or a physician. saged due to the low vapo and water. Obtain medica bious amounts of water. O uce vomiting, obtain medic	bur pressure of the su al attention if irritation btain medical attentio	bstance. develops.	
	4.2 Most important symptoms and effects, both acute and delayed No adverse effects expected.				
		y immediate medical att equired. Treat symptomat			
SECTION 5. Fire Fighting Measures	 5.1 Extinguishing media Suitable extinguishing media: Carbon dioxide, dry powder, ABF foam or water fog. Unsuitable extinguishing media: Do not use water jets. 				
	5.2 Special hazards arising from the substance or mixture Specific hazards during firefighting: None.				

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SECTION 6. Accidental Release Personal precautions, protective equipment and emergency procedures 6.1 Measures Personal precautions: Refer to protective measures listed in sections 7 and 8. Spilt product constitutes a slip hazard. Avoid contact with skin and eyes. 6.2 Environmental precautions Environmental precautions: Do not contaminate any lakes, streams, ponds, groundwater, or soil. Avoid flushing into drains. In the event of a large spillage, contain the product as thoroughly as possible, and dispose of it in accordance with local regulations. 6.3 Methods and material for containment and cleaning up Methods for cleaning up: Soak up spilt material with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in a container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated water. 6.4 Reference to other sections For disposal considerations see section 13. Refer to protective measures listed in sections 7 and 8. **SECTION 7. Handling and Storage** 7.1 Precautions for safe handling Advice on safe handling: Avoid eye and prolonged skin contact. For personal protection see section 8. 7.2 Conditions for safe storage, including any incompatibilities Requirements for storage areas and containers: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feed. 7.3 Specific end use(s) Exposure to air should be minimised. Opened containers should be properly resealed. For proper and safe use of this product, please refer to the label. **SECTION 8. Exposure Controls/** 8.1 Control parameters **Personal Protection Occupational Exposure Limits:** CAS-No. Value type Control Basis Component parameters (Form of exposure) Fatty acid tetra 68424-31-7 TWA M&I 8 ppm 50 mg/m³ Materials esters

Biological occupational exposure limits: N/A

Derived No Effect Level (DNEL): N/A

Predicted No Effect Concentration (PNEC): N/A

8.2 Exposure controls

Engineering measures: The extent of these protection measures depends on the actual risks in use.

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	Personal protective equipment:
	Respiratory protection: Not required for normal use.
	Skin protection: Wear coveralls.
	Hand protection: Wash hands after use. For prolonged or repeated skin contact gloves are recommended.
	Recommended gloves:
	Material: Nitrile rubber.
	Break through time: > 480 min.
	Glove thickness: 0.5 mm.
	Remarks: Gloves should be discarded and replaced if there is any indication of
	degradation or chemical breakthrough.
	Eye protection: If splashes are likely to occur wear safety glasses. Use equipment for
	eye protection tested and approved under appropriate government standards such as
	NIOSH (US) or EN 166(EU). Eye washes should be available for emergency use.
SECTION 9. Physical and Chemical	9.1 Information on basic physical and chemical properties
Properties	Appearance: Amber liquid.
Topentes	Odour: Faintly sweet.
	pH : Not applicable.
	Freezing point: -56°C.
	Initial boiling point and boiling range: >300°C.
	Flash point: 260°C (closed cup).
	Flammability (solid, gas): Non-flammable.
	Upper/lower flammability or explosive limits: Data not available.
	Vapour pressure: <0.001Pa at 20°C.
	Vapour density: Not applicable.
	Relative density: 0.97 at 20°C.
	Water solubility: <1mg/l.
	Solubility: Not applicable.
	Partition coefficient: log Pow: >10.
	Auto-ignition temperature: No auto-ignition expected.
	Decomposition temperature: Data not available.
	Kinematic viscosity: 29mm ² /s at 40°C. Explosive properties: Non-explosive.
	Oxidising properties: Non-explosive.
	9.2 Other information
	Surface tension: No data available.
	Particle size: No data available.
SECTION 10. Stability and Reactivity	10.1 Reactivity
	Stable under normal conditions of use.
	10.2 Chemical stability
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	10.3 Possibility of hazardous reactions
	Data not available.
	40.4 Conditions to sucid
	10.4 Conditions to avoid Temperatures >250°C.
	10.5 Incompatible materials
	Strong oxidising agents.
	10.6 Hazardous decomposition products None.
	None.
SECTION 11. Toxicological Information	11.1 Information on toxicological effects
	Likely routes of exposure: Skin and eyes are the most likely routes for exposure.
	Accidental ingestion may occur. Inhalation is not expected to be a relevant route of
	exposure.
	Product: Acute oral toxicity: Low toxicity: LD50 (Rat, female): >2000mg/kg, OECD 401.
	Acute dermal toxicity: Ebso (rat, remale): >2000mg/kg, OEOD 401.
	>2000mg/kg, OECD 402.
	Acute inhalation toxicity: Low volatility makes inhalation unlikely. LD50 (Rat, female):
	> 5.1 mg/L air.
	Skin corrosion/irritation: Not irritating, skin (Rabbit), OECD 404. Eye corrosion/irritation: Not irritating, eye (Rabbit), OECD 405.
	Respiratory or skin sensitisation: Not sensitising, skin (Guinea pig), OECD 406.
	Aspiration hazard: Not considered an aspiration hazard.
	Carcinogenicity/mutagenicity: Not considered a mutagenic hazard or carcinogen.
	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
SECTION 12. Ecological Information	When used and/or disposed of as indicated, no adverse environmental effects are
SECTION 12. Ecological mornation	foreseen. Ecotoxicological effects based on knowledge of similar substances.
	12.1 Toxicity
	Product: Substances of this type do not pose a hazard to aquatic organisms.
	Toxicity to fish: Oncorhynchus mykiss (rainbow trout) LC50(96h), OECD 203: low acute toxicity, expected to be >1000 mg/L.
	Toxicity to aquatic invertebrates: Daphnia magna (Water flea) EC50: (48 h) >1000
	mg/L.
	Toxicity to aquatic plants: Desmodesmus subspicatus (green algae) EL50 >100 mg/L.
	12.2 Persistence and degradability
	Product: Readily biodegradable.
	12.3 Bioaccumulative potential
	No potential for bioaccumulation.
	12.4 Mobility in soil Product has low mobility in soil.

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12.5 Results of PBT and vPvB assessment The product does not meet criteria for toxicity which requires further assessment. It is not considered PBT or vPvB. 12.6 Endocrine disrupting properties 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. 12.7 Other adverse effects No other adverse effects envisaged. **SECTION 13. Disposal Considerations** 13.1 Waste treatment methods Product: Do not contaminate any lakes, streams, ponds, groundwater or soil. Avoid flushing into drains. Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated. Unused product may be returned for reclamation. Contaminated packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Waste code: Uncleaned packaging code 15-01-02 - Empty packaging contaminated with residues of non-hazardous substances. **SECTION 14. Transport Information** Not classified as hazardous under air (ICAO/IATA), sea (IMDG), road (ADR) or rail (RID) regulations. 14.1 UN number Not relevant. 14.2 UN proper shipping name Not relevant. 14.3 Transport hazard class Not relevant. 14.4 Packing group Not relevant. 14.5 Environmental hazards Not relevant 14.6 Special precautions for user Not relevant. **SECTION 15. Regulatory Information** 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII): Not applicable.

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REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59): Not applicable. Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable. Regulation (EU) 2019/1021 on persistent organic pollutants (recast): Not applicable. UK REACH List of substances subject to authorisation (Annex XIV): Not applicable. GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation: Not applicable. All constituent substances in this product are listed in the TSCA inventory. 15.2 Chemical safety assessment A chemical safety assessment has been performed for this substance. **SECTION 16. Other Information** Compiled according to regulation 1907/EC/2006, as amended by UK REACH Regulations SI 2019/758 and OSHA hazard communication guidelines. 16.1 Changes from last issue New product. 16.2 Abbreviations and acronyms TWA: Limit Value - eight hours ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International code for the construction and equipment of ships carrying dangerous chemicals in bulk : with standards and guidelines relevant to the code. 16.3 Key literature references and sources for data Company data. 16.4 Classification and procedure used to derive the classification Further information classification of the mixture: Not classified. Classification procedure: Based on product data or assessment.

The information provided in this Safety Data Sheet is correct to our best knowledge, information and belief at the date of its publication. It is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.

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