

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

SAFETY DATA SHEET

SL80FI INTD1036LOW-E MAT R7012 SN30

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

1.1 Product identifier	
Product name	: SL80FI INTD1036LOW-E MAT R7012 SN30
SDS code	: 8283188 SL80FI/20KG

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

	Identified uses	
Industrial use		
Uses advised against		
All other uses		
Product use	: Electrostatic coating for use in industrial plants	

1.3 Details of the supplier of the safety data sheet

ne Betane er the cappiler er t	and barbey data onoot
AkzoNobel Powder Co Stoneygate Lane, Felling, Gateshead. NE10 0JY United Kingdom	oatings Limited
e-mail address of person responsible for this SDS	: sdsfellinguk@akzonobel.com
National contact	
01 8092566 or 01 8379964	
1.4 Emergency telephone nur	nber
National advisory body/Pois	<u>on Centre</u>
Telephone number	: +44 (0)344 892 0111

relephone number	1 • 11 (0)011 002 0111
<u>Supplier</u>	
Telephone number	: +44 0191 469 6111
Hours of operation	:

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Aquatic Chronic 3, H412

1.4

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

Date of issue/Date of revision	: 29-6-2023	Version : 1	
Date of previous issue	: No previous validation	1/15	AkzoNobel

SECTION 2: Hazards identification

2.2 Label elements		
Signal word	:	No signal word.
Hazard statements	:	Harmful to aquatic life with long lasting effects.
Precautionary statements		
Prevention	:	Avoid release to the environment.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	Contains 1,2,2,6,6-pentamethylpiperidin-4-ol. May produce an allergic reaction. Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	
Special packaging requirem	en	<u>ts</u>
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	:	Not applicable.
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	:	May form combustible dust concentrations in air.

SECTION 3: Composition/information on ingredients

2	2		4		
3	.2	IVII	χτυ	res	

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≤10	Carc. 2, H351 (inhalation)	-	[1] [*]
3,9-bis(2,4-di-tert- butylphenoxy) -2,4,8,10-tetraoxa- 3,9-diphosphaspiro[5.5] undecane	EC: 247-952-5 CAS: 26741-53-7	≤1	Aquatic Chronic 1, H410	M [Chronic] = 1	[1]
1,2,2,6,6-pentamethylpiperidin- 4-ol	EC: 219-292-8 CAS: 2403-89-6	≤0.3	Acute Tox. 4, H302 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1, H317	ATE [Oral] = 500 mg/kg	[1]
Date of issue/Date of revision	: 29-6-2023		Version :1		
Date of previous issue	: No previous valida	ation	2/15	Akzo	Nobe

SECTION 3: Composition/information on ingredients

	Aquatic Chronic 2, H411		
	See Section 16 for the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

<u>Type</u>

[1] Substance classified with a health or environmental hazard

The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter \leq 10 µm not bound within a matrix.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. Coating powders can cause localised skin irritation in folds of the skin or under tight clothing.

Contains 1,2,2,6,6-pentamethylpiperidin-4-ol. May produce an allergic reaction.

Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: irritation redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: No specific data.
Ingestion	: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed.
The exposed person may need to be kept under medical surveillance for 48 hours.

Date of issue/Date of revision	: 29-6-2023	Version : 1	
Date of previous issue	: No previous validation	3/15	AkzoNob

SECTION 4: First aid measures								
Specific treatments : No specific treatment.								
SECTION 5: Firefight	ting measures							
5.1 Extinguishing media								
Suitable extinguishing media	: Use dry chemical powder.							
Unsuitable extinguishing media	: Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.							
5.2 Special hazards arising f	5.2 Special hazards arising from the substance or mixture							
Hazards from the substance or mixture	: May form explosible dust-air mixture if dispersed. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.							
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides							
5.3 Advice for firefighters								
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.							
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.							

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Put on appropriate personal protective equipment.		
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".		
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.		
6.3 Methods and material for containment and cleaning up				

Small spill	: Move containers from spill area. Use spark-proof tools and explosion-proof
	equipment. Vacuum or sweep up material and place in a designated, labelled waste
	container. Dispose of via a licensed waste disposal contractor.



SECTION 6: Accidental release measures

Large spill	: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor.			
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.			

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid release to the environment. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

information on hygiene measures.

7.3 Specific end use(s)Recommendations: Not available.Industrial sector specific: Not available.solutions

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits



SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values
titanium dioxide	EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 4 mg/m ³ 8 hours. Form: respirable TWA: 10 mg/m ³ 8 hours. Form: total inhalable
procedures atmosphere of the ventil protective e the following the assess limit values atmosphere of exposure (Workplace for the mea	act contains ingredients with exposure limits, personal, workplace e or biological monitoring may be required to determine the effectiveness ation or other control measures and/or the necessity to use respiratory quipment. Reference should be made to monitoring standards, such as g: European Standard EN 689 (Workplace atmospheres - Guidance for nent of exposure by inhalation to chemical agents for comparison with and measurement strategy) European Standard EN 14042 (Workplace es - Guide for the application and use of procedures for the assessment to chemical and biological agents) European Standard EN 482 atmospheres - General requirements for the performance of procedures surement of chemical agents) Reference to national guidance for methods for the determination of hazardous substances will also be

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
3,9-bis(2,4-di-tert-butylphenoxy) -2,4,8,10-tetraoxa- 3,9-diphosphaspiro[5.5]undecane	DNEL	Long term Oral	0.39 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.39 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.68 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0.78 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	2.75 mg/m ³	Workers	Systemic
1,2,2,6,6-pentamethylpiperidin-4-ol	DNEL	Long term Oral	1.13 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	1.13 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1.97 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	3.16 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	11.2 mg/m ³	Workers	Systemic

<u>PNECs</u>

Product/ingredient na	me	Compartment Detail	Value	Method Detail
3,9-bis(2,4-di-tert-butylphenoxy) -2,4,8,10-tetraoxa-3,9-diphospha undecane	aspiro[5.5]	Fresh water	0.002 mg/l	Assessment Factors
		Sewage Treatment Plant	42 mg/l	Assessment Factors
		Fresh water sediment	2000000 mg/kg dwt	Equilibrium Partitioning
		Marine water sediment	200000 mg/kg dwt	Equilibrium Partitioning
		Soil	1 mg/kg dwt	Assessment Factors
1,2,2,6,6-pentamethylpiperidin-4-ol		Fresh water	95.5 µg/l	Assessment Factors
		Marine water	9.55 µg/l	Assessment Factors
		Sewage Treatment Plant	37.5 mg/l	Assessment Factors
		Fresh water sediment	0.46 mg/kg dwt	Equilibrium Partitioning
te of issue/Date of revision	: 29-6-2023		Version :1	
te of previous issue	: No previous va	alidation	6/15	AkzoNobel

	3200	DELINIDIOSOLOW-E MATRIOIZ S	31130	
SECTION 8: Exposu	re controls	s/personal protection	on	
		Marine water sediment Soil	46 μg/kg dwt 35.9 μg/kg dwt	Equilibrium Partitioning Equilibrium Partitioning
3.2 Exposure controls				
Appropriate engineering controls	vapour or engineerir recommer vapour or	with adequate ventilation. If a mist, use process enclosure ng controls to keep worker ex nded or statutory limits. The dust concentrations below a ilation equipment.	s, local exhaust ve posure to airborne engineering contro	entilation or other e contaminants below any ols also need to keep gas,
Individual protection meas	<u>ures</u>			
Hygiene measures	before eat Appropria Wash con	ds, forearms and face thoro ing, smoking and using the l te techniques should be used taminated clothing before re wers are close to the workst	avatory and at the d to remove potent using. Ensure tha	end of the working period. ially contaminated clothing
Eye/face protection	assessme gases or c unless the	ewear complying with an app ont indicates this is necessary dusts. If contact is possible, assessment indicates a hig ds. If operating conditions ca goggles.	y to avoid exposure the following prote her degree of prote	e to liquid splashes, mists, ction should be worn, ection: safety glasses with
Skin protection				

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
-----------------	---

When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time >480 minutes according to EN374) is recommended. Recommended gloves: Viton ® or Nitrile, thickness \geq 0.38 mm. When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time >30 minutes according to EN374) is recommended. Recommended gloves: Nitrile, thickness \geq 0.12 mm.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Personnel should wear protective clothing. Care should be taken in the selection of protective clothing to ensure that inflammation and irritation of the skin at the neck and wrists through contact with the powder are avoided.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



SECTION 8: Exposure controls/personal protection Respiratory protection Environmental exposure controls : Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Solid. [Powder.]
Colour	: Grey.
Odour	: Odourless.
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Flammability	: Not available.
Lower and upper explosion limit	: 20 - 70 g/m3
Auto-ignition temperature	: 450 to 600°C (842 to 1112°F)
Decomposition temperature	: Not available.
рН	Not applicable. [DIN EN 1262]
Viscosity	: Kinematic (room temperature): Not applicable. [DIN EN ISO 3219] Kinematic (40°C): Not applicable. [DIN EN ISO 3219]

Solubility(ies)

J	Solubility(ies)			
	Media	Result		
	cold water	Not soluble [OESO (TG 105)]		
Partition coefficient: n-octanol/ : Not applicable. water				

Water	
Vapour pressure	: Not available.
Relative density	: 1.2 to 1.9 [ISO 8130-2/-3]
Vapour density	: Not applicable.
Particle characteristics	
Median particle size	: Not available.
Percentage of particles with aerodynamic diameter ≤ 10 µm	: 0

9.2 Other information

Minimum ignition energy (mJ) : 5 to 20



SECTION 10: Stabilit	y and reactivity
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.
10.5 Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
3,9-bis(2,4-di-tert- butylphenoxy) -2,4,8,10-tetraoxa- 3,9-diphosphaspiro[5.5] undecane	LD50 Oral	Rat	5580 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
1,2,2,6,6-pentamethylpiperidin-4-ol	500	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
3,9-bis(2,4-di-tert- butylphenoxy) -2,4,8,10-tetraoxa- 3,9-diphosphaspiro[5.5] undecane	Skin - Severe irritant	Rabbit	-	0.5 gm	-
Conclusion/Summary	: Not available.				
<u>Sensitisation</u>					
Conclusion/Summary	: Not available.				
<u>Mutagenicity</u>					
Conclusion/Summary	: Not available.				
<u>Carcinogenicity</u>					
Conclusion/Summary	: Not available.				
Date of issue/Date of revision	: 29-6-2023	Vers	sion :1		
Date of previous issue	: No previous validation	9/15	ï		AkzoNobel

	SL80FI INTD1036L	OW-E MAT R7012 SN30	
SECTION 11: Toxico	logical information	n	
Reproductive toxicity			
Conclusion/Summary	: Not available.		
Teratogenicity			
Conclusion/Summary	: Not available.		
Specific target organ toxici			
Not available.	ty (Single exposure)		
Not available.			
<u>Specific target organ toxici</u> Not available.	<u>ty (repeated exposure)</u>		
Aspiration hazard			
Not available.			
Information on likely routes of exposure	: Not available.		
Potential acute health effects	<u>6</u>		
Eye contact	: Exposure to airborne of limits may cause irritat	oncentrations above statutory or reco on of the eyes.	mmended exposure
Inhalation		oncentrations above statutory or reco on of the nose, throat and lungs.	mmended exposure
Skin contact	: No known significant e	ffects or critical hazards.	
Ingestion	: No known significant e	ffects or critical hazards.	
Symptoms related to the phy	vsical, chemical and toxic	ological characteristics	
Eye contact	: Adverse symptoms ma	v include the following:	
_,	irritation redness	, menune and tenering.	
Inhalation	: Adverse symptoms ma respiratory tract irritatio coughing		
Skin contact	: No specific data.		
Ingestion	: No specific data.		
Delayed and immediate effect	<u>cts as well as chronic effe</u>	cts from short and long-term expo	sure
<u>Short term exposure</u>			
Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Long term exposure			
Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Potential chronic health eff	<u>ects</u>		
Not available.	_		
Conclusion/Summary	: Not available.		
General	: Repeated or prolonged	l inhalation of dust may lead to chroni	c respiratory irritation.
Carcinogenicity	: No known significant e	ffects or critical hazards.	
Mutagenicity	: No known significant e	ffects or critical hazards.	
Reproductive toxicity	: No known significant e	ffects or critical hazards.	
Date of issue/Date of revision	: 29-6-2023	Version :1	Akzoblobal

Date of previous issue

: No previous validation

10/15



SECTION 11: Toxicological information

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

No additional information.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself.

Coating powder residues should not be allowed to enter drains or watercourses or be deposited where they could affect ground or surface waters.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute EC50 19.3 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute EC50 27.8 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute EC50 35.306 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 3 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 13.4 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 11 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 3.6 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 15.9 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 6.5 mg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 13 mg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 >1000000 μg/l Marine water	Fish - Fundulus heteroclitus	96 hours
	Acute LC50 >1000 mg/l Fresh water	Fish - Pimephales promelas	96 hours
3,9-bis(2,4-di-tert- butylphenoxy) -2,4,8,10-tetraoxa- 3,9-diphosphaspiro[5.5] undecane	EC50 97 mg/l	Algae	72 hours
	LC50 70.7 mg/l	Fish	96 hours

Conclusion/Summary

: Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
1,2,2,6,6-pentamethylpiperidin- 4-ol	1.15	-	low

Date of issue/Date of revision	: 29-6-2023	Version : 1	
Date of previous issue	: No previous validation	11/15	AkzoNobel

SECTION 12: Ecological information

12.4 Mobility in soil	
Soil/water partition coefficient (K _{oc})	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

<u>Product</u>	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.
Disposal considerations	: Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

Waste code	Waste designation
EWC 08 02 01	waste coating powders
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Disposal considerations	 Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Date of issue/Date of revision	: 29-6-2023	Version :1	
Date of previous issue	: No previous validation	12/15	AkzoNobel

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	
14.5 Environmental hazards	No.	No.	No.

14.6 Special precautions for user: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in : Not applicable. **bulk according to IMO instruments**

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>UK (GB) /REACH</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Other EU regulations	
VOC	: Not applicable.
VOC for Ready-for-Use Mixture	: Not applicable.
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

SL80FI INTD1036LOW-E MAT R7012 SN30

SECTION 15: Regulatory information

Industrial emissions : Not listed (integrated pollution prevention and control) - Water
Ozone depleting substances (1005/2009/EU) Not listed.
<u>Prior Informed Consent (PIC) (649/2012/EU)</u> Not listed.
<u>Persistent Organic Pollutants</u> Not listed.
Seveso Directive This product is not controlled under the Seveso Directive. National regulations International regulations Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed. Montreal Protocol
Not listed.
Stockholm Convention on Persistent Organic Pollutants Not listed.
Rotterdam Convention on Prior Informed Consent (PIC) Not listed.
UNECE Aarhus Protocol on POPs and Heavy Metals Not listed.

SECTION 16: Other information

15.2 Chemical safety

assessment

Indicates information that has changed from previously issued version.

Abbreviations and	: ATE = Acute Toxicity Estimate
acronyms	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.
-	1272/2008]
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No Effect Level
	EUH statement = CLP-specific Hazard statement
	N/A = Not available
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number
	SGG = Segregation Group
	vPvB = Very Persistent and Very Bioaccumulative

: No Chemical Safety Assessment has been carried out.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

Date of issue/Date of revision	: 29-6-2023	Version :1	
Date of previous issue	: No previous validation	14/15	AkzoNobel

SECTION 16: Other	r information	
H302 H314 H317 H318 H351 H410 H411 H412		Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing cancer. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
Full text of classifications	[CLP/GHS]	
Acute Tox. 4 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Carc. 2 Eye Dam. 1 Skin Corr. 1 Skin Sens. 1		ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 CARCINOGENICITY - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1 SKIN SENSITISATION - Category 1
Date of printing Date of issue/ Date of revision Date of previous issue Version Unique ID Notice to reader	: 29-6-2023 : 29-6-2023 : No previous vali : 1 :	dation

Notice to reader

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Brand names mentioned in this data sheet are trademarks of or are licensed to Akzo Nobel.

