KHUA®
ZHEJIANG GUANGHUA TECHNOLOGY

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

A. **Product Name**:	**KE-5050**
B.**Version（Date）:**	4（September 1, 2020）
C. **Chemical identification**:	SATURATED CARBOXYLATED POLYESTER RESIN
D. **Intended/Recommended Use**:	Powder Coating
E. **Contact Information**:	
■ Company name	ZheJiang GuangHua Technology Co., Ltd
■ Address	No.3 Huanyuan East Road, Yanguan Town, Haining, Zhengjiang, China
■ Telephone	86-573-87771666
■ Fax	86-573-87771222
■ Emergency call	86-573-87771199
F. **Department**:	R & D

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture	
Product Definition	Mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]	Not classified The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
2.2 Label elements	
Signal Word	No signal word
Hazard Statements	No known significant effects or critical hazards
Precautionary Statements - Code	Contains benzene-1,2,4-tricarboxylic acid 1,2-anhydride. May produce an allergic reaction. Safety data sheet available on request.
Precautionary statements	
- Prevention	Not applicable
- Response	Not applicable
- Storage	Not applicable
- Disposal	Not applicable
Hazardous ingredients	
2.3 Other hazards	
Other hazards which do not result in classification	Fine dust clouds may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / 3.2 Mixtures	Mixture		
Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]
benzene-1,2,4-tricarboxylic acid	EC: 208-432-3 CAS: 528-44-9	⩽3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 See Section 16 for the full text of the H statements declared above.
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	REACH #: 01-2119489422-34 EC: 209-008-0 CAS: 552-30-7 Index: 607-097-00-4	⩽1	Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335

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 or vPvBs or have been assigned a workplace exposure limit

and hence require reporting in this section.

4. FIRST AID PROCEDURES	
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. Get medical attention if symptoms occur.
Skin contact:	Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
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	
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	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	No specific treatment.
5. FIRE FIGHTING PROCEDURES	
5.1 Extinguishing media	
Suitable	Use dry chemical powder.
Not suitable	Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
5.2 Special hazards arising from the substance or mixture	
Hazards from the substance or mixture	Fine dust clouds may form explosive mixtures with air.
Hazardous combustion products	Decomposition products may include the following materials: carbon dioxide carbon monoxide (dense) black smoke aldehydes organic acids
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 firefighters (including helmets, protective boots and gloves) conforming to European standard EN469 will provide a basic level of protection for chemical incidents.
Additional information	Fine dust clouds may form explosive mixtures with air.
6. ACCIDENTAL RELEASE PROCEDURES	
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 Section8 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).
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.
Large spill	Move containers from spill area. 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. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section13 for waste disposal.
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.
7. STORAGE AND HANDLING	
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).	
7.1 Precautions for safe handling	
Protective measures	Put on appropriate personal protective equipment (see Section 8). 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. Persons with a history of skin sensitisation problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. 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 information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	Do not store above the following temperature: 30°C (86°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Eliminate all ignition sources. Separate from oxidizing 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. Store in original container, protected from direct sunlight. Keep away from heat and direct sunlight.

7.3 Specific end use(s)	
Recommendations	Resin system used in the production of coatings.
Industrial sector specific solutions	Not available.
Remarks	Prevent formation of dust clouds. Earth connection against static electricity.

8. EXPOSURE CONTROL/INDIVIDUAL 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

Product/ingredient name	Exposure limit values
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	EH40/2005 WELs (United Kingdom (UK), 12/2011). Inhalation sensitiser. TWA: 0.04 mg/m³ 8 hours. STEL: 0.12 mg/m³ 15 minutes.
Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689(Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	DNEL	Long term Inhalation	17.5 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	35 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	4.4 mg/m³	Consumers	Systemic
	DNEL	Long term Dermal	2.5 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Oral	2.5 mg/kg bw/day	Consumers	Systemic
	DNEL	Short term Inhalation	4.4 mg/m³	Consumers	Systemic

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	Fresh water	0.739 mg/l	-
	Marine water	0.074 mg/l	-
	Intermittent releases	7.39 mg/l	-
	Sewage Treatment Plant	10 mg/l	-
	Fresh water sediment	4.97 mg/kg dwt	-
	Marine water sediment	0.497 mg/kg dwt	-
	Soil	9.55 mg/l Kg dwt	-

8.2 Exposure controls

Appropriate engineering controls	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection measures	
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Full-face mask
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.
Skin and body	Working clothes.
Respiratory protection	Wear dust protection mask P2.
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.
Remarks	All chemical protective gloves are suitable to prevent contact with the skin. The choice of gloves should be aimed at physical protection of the hands.

Advice on personal protection is applicable for high exposure levels. Select proper personal protection based on a risk assessment of the actual exposure situation.

9. PHYSICAL AND CHEMICAL PROPERTIES

A. Color	pale	**K. Saturation In Air(% by Vol.)**	Not available
B. Appearance	flakes	**L. Evaporation Rate**	Not available
C. Odor	odorless	**M. Solubility In Water**	Not available
D. Boiling Point	Not available	**N. Volatile Organic Content**	< 1 %
E. Melting Point	Not applicable	**O. Flash Point**	> 200 °C(Cleveland Open Cup)
F. Vapor Pressure	Not applicable	**P. Flammable Limits(% by Vol)**	Not available
G. Specific Gravity/Density	1.2g/cm3 @ 20°C	**Q. Auto-ignition temperature**	> 300 °C(VDI Guideline 2263)
H. Vapour density	Not available	**R. Decomposition Temperature**	Not available
I. Percent Volatile(% by wt.)	Not available	**S. Partition coefficient**	Not available
J. PH	Not available		

10. STABILITY 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. Stable under recommended storage and handling conditions (see Section 7).
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. Decomposes on heating to high temperature.
10.5 Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials
10.6 Hazardous decomposition products	No specific data.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
benzene-1,2,4-tricarboxylic acid	LC0 Inhalation Dusts and mists	Rat	>3750 mg/m³	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg (LD0 = 2000 mg/kg)	-
	LD50 Oral	Rat - Male, Female	2730mg/kg	-
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	LC50 Inhalation Dusts and mists	Rat - Male, Female	>2.33 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg (LD0 = 2000 mg/kg)	-
	LD50 Oral	Rat – Female	2030 mg/kg	-
	LD50 Oral	Rat – Male	3340 mg/kg	-
	LD50 Oral	Rat – Male, Female	2730 mg/kg	-

Conclusion/Summary Not available.

Acute toxicity estimates

Route	ATE value
Oral	40212.1 mg/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
benzene-1,2,4-tricarboxylic acid	Skin - Mild irritant	Rabbit	-	4 hours 0.5 g	-
	Eyes - Irritant	Rabbit	-		-
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	Skin – Oedema	Rabbit	0.39	4 hours 0.5 g	24 to 72 hours
	Skin - Erythema/Eschar	Rabbit	1	4 hours 0.5 g	24 to 72 hours
	Eyes – Cornea opacity	Rabbit	4	0.1g	24 hours
	Eyes - Iris lesion	Rabbit	2	0.1g	24 hours
	Eyes - Redness of the conjunctivae	Rabbit	3	0.1g	24 hours
	Eyes - Oedema of the conjunctivae	Rabbit	4	0.1g	24 hours

Conclusion/Summary

Eyes Not available.

Skin Not available.

Respiratory Not available.

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
benzene-1,2,4-tricarboxylic acid	Respiratory	Rat	Not sensitizing
	Skin	Mammal - species unspecified	Not sensitizing
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	Respiratory	Man	Sensitising
	Skin	Guinea pig	Sensitising

Conclusion/Summary

Skin Not available.

Respiratory Not available.

Mutagenicity

Product/ingredient name	**Test**	**Experiment**	**Result**
benzene-1,2,4-tricarboxylic acid	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria Metabolic activation: Without & with	Negative
	OECD 476 In vitro Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Germ	Negative
	OECD 473 In vitro Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Germ	Negative

benzene-1,2,4-tricarboxylic acid 1,2-anhydride	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria Metabolic activation: Without & with	Negative
	OECD 473 In vitro Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Germ Metabolic activation: Without & with	Negative
	OECD 476 In vitro Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Germ Metabolic activation: Without & with	Negative
	OECD 473 In vitro Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Germ Metabolic activation: Without & with	Negative

Conclusion/Summary	Not available.
Carcinogenicity	
Conclusion/Summary	Not available.
Reproductive toxicity	

Product/ingredient name	Maternal	Fertility	Developmental	Species	Dose	Exposure
benzene-1,2,4-tricarboxylic acid	-	-	Negative	Rat - Female	Inhalation : 0.5 µg/ m³ (NOEL)	6 hours per day
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	- -	Negative Negative	- -	Rat Guinea pig	Inhalation : 500 µg/ m³ / 6 hours per day (NOACE) Inhalation : 500 µg/ m³ / 6 hours per day (NOACE	- -

Conclusion/Summary	Not available.
Teratogenicity	

Product/ingredient name	Result	Species	Dose	Exposure
benzene-1,2,4-tricarboxylic acid	Negative - Inhalation	Rat - Female	500 µg/m³ (NOEL	6 hours per day

Conclusion/Summary	Not available
Specific target organ toxicity (single exposure)	

Product/ingredient name	**Category**	**Route of exposure**	**Target organs**
benzene-1,2,4-tricarboxylic acid	Category 3	Not applicable	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)	Not available.
Aspiration hazard	Not available.
Potential acute health effects	
Eye contact	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Inhalation	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Symptoms related to the physical, chemical and toxicological characteristics	

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.
Potential chronic health effects	

Product/ingredient name	Result	Species	Dose	Exposure
benzene-1,2,4-tricarboxylic acid	Sub-acute NOEL Oral Sub-chronic NOEL Inhalation Dusts and mists	Rat - Male, Female Rat - Male, Female	300 mg/kg /day 300 µg/m³ (Highest tested dose	4 weeks; 5 days per week 6 hours /day; 5 days per week
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	Sub-chronic NOAEL Oral Sub-acute LOAEC Inhalation Dusts and mists	Rat - Male, Female Rat - Male, Female	10000 mg/kg /day (Highest tested dose) 0.2 mg/m³	- 6 hours /day; 5 days per week

Conclusion/Summary	Not available.
General	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Classification	

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure	Effects
benzene-1,2,4-tricarboxylic acid	Acute EC0 >792 mg/l Fresh water Acute LC0 >1000 mg/l Fresh water Acute NOEC>739 mg/l Fresh water	Daphnia Fish Algae	48 hours 96 hours 96 hours	Mobility Mobility (growth rate)
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	Acute EC50 >739 mg/l Fresh water Acute EC50 >792 mg/l Fresh water Acute EC0 >792 mg/l Fresh water	Algae Daphnia Fish	96 hours 48 hours 96 hours	(growth rate) Mobility Mobility
Conclusion/Summary	Not available.			

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
benzene-1,2,4-tricarboxylic acid	OECD 301B Ready Biodegradability - CO2 Evolution Test	>60 % - 7 days	-	-
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	OECD 301B Ready Biodegradability - CO2 Evolution Test	77.4 % - 28 days	-	-
Conclusion/Summary	Not available.			

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
benzene-1,2,4-tricarboxylic acid	-	-	Readily
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
benzene-1,2,4-tricarboxylic acid	0.95	3.2	Low
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	0.06	-	low

12.4 Mobility in soil	
Soil/water partition coefficient (KOC)	Not available.
Mobility	Not available.
12.5 Results of PBT and vPvB assessment	
PBT	Not applicable.
vPvB	Not applicable.
12.6 Other adverse effects	No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. Reference number: 2008/98/EC.	
13.1 Waste treatment methods	
Product	
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	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
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.
Special precautions	This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT REGULATIONS

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	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	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 Transport in bulk according to Annex II of Marpol and the IBC Code	Not available.

15. REGULATIORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU Regulation (EC) No. 1907/2006 (REACH)	
Annex XIV - List of substances subject to authorisation	
Annex XIV	
None of the components are listed.	
Substances of very high concern	

Ingredient name	**Intrinsic property**	**Status**	**Reference number**	**Date of revision**
Benzene-1,2,4-tricarboxylic acid 1, 2-anhydride; trimellitic anhydride	Substance of equivalent concern for human health	Candidate	-	06/27/2018

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and	Not applicable.

articles.		
Ozone depleting substances (1005/2009/EU)	Not listed.	
Prior Informed Consent (PIC) (649/2012/EU)	Not listed.	
National regulations		
International regulations		
Chemical Weapon Convention List Schedules I, II & III Chemicals		
Ingredient name	**List name**	**Status**
Not listed.		
Montreal Protocol (Annexes A, B, C, E)		
Ingredient name		**Status**
Not listed.		
Stockholm Convention on Persistent Organic Pollutants		
Ingredient name	**List name**	**Status**
Not listed.		
Rotterdam Convention on Prior Informed Consent (PIC)		
Ingredient name	**List name**	**Status**
Not listed.		
UNECE Aarhus Protocol on POPs and Heavy Metals		
Ingredient name	**List name**	**Status**
Not listed.		
15.2 Chemical safety assessment	No Chemical Safety Assessment has been carried out.	
Remarks	Note: see section 8 for personal protective equipment and section 13 for waste disposal.	
16. OTHER INFORMATION		
Full text of abbreviated H statements		
H317 H318 H319 H334 H335	May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.	
Full text of classifications [CLP/GHS]		
Eye Dam. 1, H318 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 RESPIRATORY SENSITISATION - Category 1 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3	
Abbreviations and acronyms	ATE = Acute Toxicity Estimate 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 PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative	
Notice to reader	The information contained in the Safety Data Sheet is based on our data available on the date of publication. The information is intended to aid the user in controlling the handling risks; it is not to be construed as a warranty or specification of the product quality. The information may not be or may not altogether be applicable to combinations of the product with other substances or to particular applications. The user is responsible for ensuring that appropriate precautions are	

	taken and for satisfying themselves that the data are suitable and sufficient for the product's intended purpose. In case of any unclarity we advise consulting the supplier or an expert.