



SAFETY DATA SHEET

Ketaspire KT-880 UFP

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name Ketaspire KT-880 UFP

Product number KT-880UFP-12.5KG, KT-880UFP-1KG

Recommended use of the chemical and restrictions on use

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier Kurt J Lesker Company

Manufacturer Kurt J Lesker Company
1925 Route 51
Jefferson Hills, PA 15025
+1 412-387-9200

Kurt J Lesker Company LTD
United Kingdom
Austin House
Sidney Little Road
Churchfields Industrial Estate
St Leonards on Sea, East Sussex, TN38 9PU, United Kingdom
Customer Service: +44 (0) 1424 458100
msds@lesker.com

Emergency telephone number

Emergency telephone Emergency Numbers
North America [USA, Canada, Mexico]: 1-866-519-4752
Mainland China: (+86) 4001 2001 74
Europe: {int'l call prefix}-1-760-476-3961
Asia Pacific: {int'l call prefix}-1-760-476-3960
Middle East & Africa: {int'l call prefix}-1-760-476-3959
South Korea: +080-880-0455
Philippines: (+63) 2 83953471

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Combustible Dust - USH01

Health hazards Not Classified

Environmental hazards Not Classified

Label elements

Signal word Warning

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Hazard statements USH01 May form combustible dust concentrations in air.

Other hazards

Not applicable.

3. Composition/information on ingredients

Mixtures

Polyetheretherketone	>=99%
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CAS number: 29658-26-2

Classification

Combustible Dust - USH01

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
Skin Contact	Cool skin rapidly with cold water after contact with hot polymer. Do not peel polymer from the skin. Get medical attention.
Eye contact	Flush eyelids with running water for several minutes, while keeping the eyelids wide open. Get medical attention if any discomfort continues.
Protection of first aiders	Use protective equipment appropriate for surrounding materials.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known. Mechanical irritation from the particulates generated by the product. Thermal decomposition can lead to release of hazardous gases and vapors
Ingestion	Low ingestion hazard
Skin contact	Mechanical irritation from the particulates generated by the product.
Eye contact	Mechanical irritation from the particulates generated by the product.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	No data available.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Powder. Foam. Water. Water spray. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	None known.

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Special hazards arising from the substance or mixture

Specific hazards Combustible Material In a fire, the polymer melts, producing droplets which may propagate fire. Once started, a fire will tend to self extinguish (see section 9) Harmful gases or vapors.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Wear fire/flame resistant/retardant clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions No specific recommendations. For personal protection, see Section 8.

For non-emergency personnel Refer to protective measures listed in sections 7 and 8.

For emergency responders Avoid dust formation. Sweep up to prevent slipping hazardous. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Environmental precautions Avoid release to the environment. Avoid discharge into drains or watercourses or onto the ground. In case of accidental release or spill, immediately notify the appropriate authorities if required by Federal, State/Provincial and local laws and regulations.

Methods and material for containment and cleaning up

Methods for cleaning up Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Only store in correctly labeled containers. Avoid dust formation.

Reference to other sections Refer to protective measures listed in sections 7 and 8.

7. Handling and storage

Precautions for safe handling

Usage precautions Take precautionary measures against static discharge. Ground container and transfer equipment to eliminate sparks from static electricity. Use only equipment and materials which are compatible with the product. To avoid thermal decomposition, do not overheat.

Advice on general occupational hygiene Wash at the end of each work shift and before eating, smoking and using the toilet. Good personal hygiene procedures should be implemented.

Dust Explosion Class St1

Conditions for safe storage, including any incompatibilities

Storage precautions Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. To avoid thermal decomposition, do not overheat. Avoid dust formation. Refer to protective measures listed in sections 7 and 8.

Storage class Unspecified storage.

Specific end uses(s)

Specific end use(s) No data available.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

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Contains no substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls	Provide local ventilation appropriate to the product decomposition risk (see section 10). Provide adequate general and local exhaust ventilation. Refer to protective measures listed in sections 7 and 8.
Eye/face protection	Tight-fitting safety glasses. Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated.
Hand protection	When handling hot material, use heat resistant gloves.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product.
Respiratory protection	Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use only respiratory protection that conforms to international/national standards. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Solid. Powder.
Color	White/off-white.
Odor	Odorless.
Odor threshold	No data available.
pH	Not applicable.
Melting point	340°C/644°F
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	No data available.
Flammability (solid, gas)	May form combustible dust concentrations in air. The product is not flammable.
Upper/lower flammability or explosive limits	Not available.
Other flammability	No data available.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	No data available.
Bulk density	No data available.
Solubility(ies)	Water Solubility: negligible
Partition coefficient	No data available.
Auto-ignition temperature	No data available.

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Decomposition Temperature	430°C/>806°F extended period of exposure (ca. 1 Hour).
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.
Particle size	No data available.
Molecular weight	Not available.
Minimum ignition energy	30-100mJ
Dust Explosion Constant	St1
Dust deflagration index (Kst)	153 m.bar/s

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable under normal conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known. polymerization: Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, flames and other sources of ignition. To avoid thermal decomposition, do not overheat. Avoid dust formation. The normal temperature for processing this resin exceeds the decomposition and/or ignition temperature of some other polymeric resins, such as polyacetal, polyvinyl chloride (PVC), polypropylene, etc. If PVC or any other resin with a decomposition temperature below 371°C / 700°F is molded or handled in your equipment, these materials can rapidly decompose and/or react with this resin at the temperatures used to process this resin. Inadvertent contamination of this resin with these materials from the material handling system or other equipment can result in a rapid, possibly violent release of decomposition fumes, when the contaminated material is brought to processing temperature. To avoid, thoroughly clean molding and other processing equipment prior to changeover and prevent cross contamination of material handling systems.
Materials to avoid	Polymeric resins
Hazardous decomposition products	Carbon monoxide (CO). Sulfur oxides Hydrocarbons. Hydrogen fluoride (HF). The release of other hazardous decomposition products is possible.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) No data available.

Acute toxicity - dermal

Notes (dermal LD₅₀) No data available.

Acute toxicity - inhalation

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Notes (inhalation LC₅₀)	No data available.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	No data available.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	No data available.
<u>Respiratory sensitization</u>	
Respiratory sensitization	No data available.
<u>Skin sensitization</u>	
Skin sensitization	No data available.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	No data available.
Genotoxicity - in vivo	No data available.
<u>Carcinogenicity</u>	
Carcinogenicity	No data available. This product does not contain any ingredient designated as probable or suspected human carcinogen by: NTP, IARC, OSHA
IARC carcinogenicity	None of the ingredients are listed or exempt.
NTP carcinogenicity	Not listed.
OSHA Carcinogenicity	Not listed.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	No data available.
Reproductive toxicity - development	No data available.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	No data available.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	No data available.
<u>Aspiration hazard</u>	
Aspiration hazard	No data available.
General information	Because the components are encapsulated in the resin and may not be bioavailable in the body, they may not exert the above mentioned health effects. Description of possible hazardous to health effects is based on experience and/or toxicology characteristics of several ingredients.

12. Ecological information

<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	No data available.
Acute toxicity - aquatic invertebrates	No data available.
Acute toxicity - aquatic plants	No data available.

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Acute toxicity - microorganisms No data available.

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates No data available.

Persistence and degradability

Persistence and degradability No data available.

Phototransformation No data available.

Biodegradation No data available.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient No data available.

Mobility in soil

Mobility No data available.

Adsorption/desorption coefficient No data available.

Other adverse effects

Other adverse effects No data available.

13. Disposal considerations

Waste treatment methods

General information The generation of waste should be minimized or avoided wherever possible. This material and its container must be disposed of in a safe way.

Disposal methods Dispose of contents/container in accordance with national regulations. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Can be landfilled or incinerated, when in compliance with local regulations Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

Road transport notes Not regulated.

Rail transport notes Not regulated.

Sea transport notes Not regulated.

Air transport notes Not regulated.

DOT transport notes Not regulated.

UN Number

UN No. (International) Not applicable.

UN proper shipping name

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**Proper shipping name
(International)** Not applicable.

Transport hazard class(es)

**Transport Labels
(International)** No transport warning sign required.

Packing group

Packing group (International) Not applicable.

Environmental hazards

Environmentally Hazardous Substance
No.

Special precautions for user

Not applicable.

**Transport in bulk according to
Annex II of MARPOL 73/78
and the IBC Code** Not applicable.

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

SARA 313 Emission Reporting

None of the ingredients are listed or exempt.

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

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California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List

None of the ingredients are listed or exempt.

Rhode Island "Right To Know" List

None of the ingredients are listed or exempt.

Label Prop 65 data

Minnesota "Right To Know" List

None of the ingredients are listed or exempt.

Pennsylvania "Right To Know" List

None of the ingredients are listed or exempt.

New Jersey "Right To Know" List

None of the ingredients are listed or exempt.

Inventories

EU - EINECS/ELINCS

All the ingredients are listed or exempt.

Canada - DSL/NDL

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

Australia - AICS

All the ingredients are listed or exempt.

Japan - ENCS

All the ingredients are listed or exempt.

Korea - KECI

All the ingredients are listed or exempt.

China - IECSC

All the ingredients are listed or exempt.

Philippines - PICCS

Some of the ingredients are listed or exempt.

New Zealand - NZIOC

All the ingredients are listed or exempt.

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Taiwan - TCSI

All the ingredients are listed or exempt.

16. Other information

Abbreviations and acronyms used in the safety data sheet	ACGIH: American Conference of Governmental Industrial Hygienists OSHA: Occupational Safety and Health Administration NTP: National Toxicology Program IATA: International air transport association. IARC: International agency for research on cancer. NIOSH: National Institute for Occupational Safety and Health
Training advice	Only trained personnel should use this material.
Revision comments	This is the first issue.
Issued by	HS&E Manager.
Revision date	9/15/2022
Revision	4
Supersedes date	8/16/2022
SDS No.	6048
Hazard statements in full	USH01 May form combustible dust concentrations in air.
End of SDS	

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.