



Potassium Perfluorohexane-1-Sulfonate

Revised 12-June-2023

Product Name	Potassium perfluorohexane-1-sulfonate, mixture of isomers
Catalog Number	FC25-PFHxSK
CAS Number	3871-99-6
Relevant identified uses of the substa	ance or mixture and uses advised against Identified uses: Laboratory chemicals, Synthesis of substances
Supplier	Fluoryx Labs 3650 Research Way, #22 Carson City, NV 89706 USA
Emergency call (VelocityEHS):	+01-813-248-0585 (International) +1-800-255-3924 (USA)
2. HAZARDS INFORMATION	
Classification of the substance or mix	kture
GHS Classification	Eye Irrit. 2ACauses severe eye irritation, H319Skin Irrit. 2Causes skin irritation, H315STOT SE 3May cause respiratory irritation, H335
For the full text of the H-Statements	s mentioned in the Section, see Section 16
GHS Label elements, including p	recautionary statements
Pictogram	
Signal word	Warning
Hazard statement(s) H315 H319 H335	Causes skin irritation Causes serious eye irritation May cause respiratory irritation
Precautionary statement(s) P261 - Avoid breathing dust, r P264 - Wash skin thoroughly P271 - Use only outdoors or in P280 - Wear protective glaver	nist, spray after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302+P352 - If on skin: Wash with plenty of soap and water

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P321 - Specific treatment (see supplemental first aid instructions on this label)

P332+P313 - If skin irritation occurs: Get medical advice/attention

P337+P313 - If eye irritation persists: Get medical advice/attention

P362+P364 - Take off contaminated clothing and wash it before reuse

P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up

Hazards not otherwise classified (HNOC) or not covered by GHS

Inhalation of decomposition products from overheating may cause lung irritation or shortness of breath.

3. COMPOSITION AND INFORMATION ON INGREDIENTS Potassium 1,1,2,2,3,3,4,4,5,5,6,6,6-Synonyms tridecafluorohexane-1-sulfonate, mixture of isomers **Chemical formula** C₆F₁₃KO₃S Molecular weight 438.20 g/mol **CAS** number 3871-99-6 Component Classification Concentration Potassium perfluorohexane-1-Skin Irrit. 2. H315 ≤ 100% sulfonate, mixture of isomers Eye Irrit. 2A, H319 STOT SE 3, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES	
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Consult a physician
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed Treat symptomatically

5. FIREFIGHTING MEASURES

Suitable extinguishing media	Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.
Special hazards arising from the substance o	r mixture - Carbon oxides, hydrogen fluoride, potassium oxides, sulfur oxides.
Advice for firefighters	Wear gas tight chemically protective clothing in combination with self-contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".
Further information	Use water spray to cool unopened containers.
6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment a	and emergency procedures Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning up	Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. and place in container for disposal according to local / national regulations (see section 13).
Reference to other sections	For disposal, see section 13.
7. HANDLING AND STORAGE	
Precautions for Safe Handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.
Conditions for Safe Storage	Keep container tightly closed in a dry and well- ventilated place.
Specific end use(s)	Apart from the uses mentioned in section 1.2, no other specific uses are stipulated
8. EXPOSURE CONTROLS AND PERSONAL F	PROTECTION
Appropriate engineering controls	Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	In case of inadequate ventilation, wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.

Other information

9. PHYSICAL AND CHEMICAL PROPERTIES

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Form	Solid, powder
Color	White
Safety Data	
pH	No data available
Melting Point/Freezing Point	272 – 274 °C
Boiling Point	No data available
Flash Point	No data available
Ignition Temperature	No data available
Auto-ignition Temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Thermal Decomposition Temperature	No data available
Vapor Pressure	No data available
Density	No data available
Water Solubility	No data available
Partition Coefficient (n-octanol/water)	No data available
Relative Vapor Density (Air = 1)	No data available
Odor	No data available
Odor Threshold	No data available
Evaporation Rate	No data available
Refractive index	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions Carbon oxides, Hydrogen fluoride Other decomposition products - No data available In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50 Inhalation LD50 Dermal LD50 Other information on acute toxicity

No data available No data available No data available No data available

Skin corrosion/irritation	Causes skin irritation
Serious eye damage/eye irritation	Causes serious eye irritation
	No data available.
Respiratory or skin sensitization	
Germ cell mutagenicity Carcinogenicity	No data available
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
	OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
	OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity (Globally Harmonize Single exposure Repeated exposure	e d System) May cause respiratory irritation. No data available
Aspiration hazard	No data available
Additional Information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
12. ECOLOGICAL INFORMATION	
Toxicity	No data available
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Mobility in Soil	No data available
PBT and vPvB Assessment	No data available
Other adverse effects	No data available
13. DISPOSAL CONSIDERATIONS	
Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Burn in a chemical incinerator equipped with an afterburner and scrubber. Contact a licensed professional waste disposal service to dispose of this material. Contact Fluoryx Labs to return unused product.
Contaminated packaging	Dispose of as unused product.
14. TRANSPORTATION INFORMATION	

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
ΙΑΤΑ	Not dangerous goods
15. REGULATORY INFORMATION	
TSCA Status	Listed.
EPA TSCA Regulatory Flag	S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule.
EC Number	Not listed.
Listed on the AICS (Australian Inventory of Che	mical Substances)
Listed on IECSC (Inventory of Existing Chemica	al Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New (Korean ECL (Existing Chemicals List)	Chemical Substances) inventory Listed on the
Listed on NZIoC (New Zealand Inventory of Che	micals) Listed on PICCS (
Philippines Inventory of Chemicals and Chemic	al Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)	
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	No SARA hazards.
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components	No components are subject to the Pennsylvania Right to Know Act.
New Jersey Right To Know Components	No components are subject to the New Jersey Right to Know Act.
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
16. OTHER INFORMATION	
Further information:	
Full text of H-phrases:	
Eye Irrit. 2A Skin Irrit. 2	Serious eye damage/eye irritation, Category 2A Skin corrosion/irritation Category 2

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure)
	Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

NFPA health hazard	3 - Short exposure could cause serious temporary or residual injury even though prompt medical
	attention was given.
NFPA fire hazard	0 - Materials that will not burn.
NFPA reactivity	0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	2 Moderate Hazard - Temporary or minor injury may occur
Flammability	0 Minimal Hazard - Materials that will not burn
Physical	0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Not for drug, household, or other uses. The previous information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations or mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. Unless noted to the contrary, the technical information applies only to pure product.

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End of MSDS