



**SAFETY DATA**

PRODUCT NAME: Krytox® Fluorinated Grease

PRODUCT CODE: **A-KRYTOX**

**1 COMPOSITION/INFORMATION ON INGREDIENTS**

Fluorinated grease  
CAS Nos 60164-51-4, 9002-84-0

**2 HAZARD INFORMATION**

Vapours may be irritating to eyes, nose, throat, and lungs.

**3 FIRST AID MEASURES**

Remove from exposure, lie down. No hazards which require special first aid measures. When symptoms persist or in all cases if in doubt seek medical advice.

**EYES:** Remove contact lenses, irrigate with copious quantities of water, also under eyelids.

**SKIN:** Wash with soap and water as precaution.

**INHALATION:** Move to fresh air. Oxygen or artificial respiration if needed.

**INGESTION:** Never give anything by mouth to an unconscious person. Drink water as a precaution. If a person vomits when lying on his back, place him in the recovery position.

**4 FIRE FIGHTING MEASURES**

This product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

**5 ACCIDENTAL RELEASE MEASURES**

Personal precautions:

- Ventilate the area. Refer to protective measures listed in sections 6 & 7.

Environmental precautions:

- Do not let product enter drains.

Decontamination procedures:

- Dam up. Shovel or sweep up. Clean up promptly by sweeping or vacuum.

**6 HANDLING AND STORAGE**

Handling:

- In case of insufficient ventilation, wear suitable respiratory equipment. Normal measures for prevention of fire.

Storage:

- No special precautions required. Keep container tightly closed in a dry and well ventilated place.

**7 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering control measures:

- Ensure adequate ventilation, especially in confined areas

Personal protection:

- No personal respiratory protective equipment normally required. In the case of hazardous fumes, wear self contained breathing apparatus.

- Wear light weight protective clothing

Follow general industrial hygiene practice.

**8 PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Solid, paste
Odour	None
Melting Point	320°C
Flash Point	Does not flash
Thermal decomposition	290°C
Relative Density @ 20°C	1.89
Water Solubility	Insoluble

**9 STABILITY & REACTIVITY**

Stable under recommended storage conditions.

**10 TOXICOLOGICAL INFORMATION**

Acute oral toxicity  
Perfluoroalkylether ALD/rat : ca. > 25000mg/kg

Acute inhalation toxicity;

The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

Perfluoroalkylether ALC/4h/rat : ca. > 19.54mg/l

Acute dermal toxicity

Perfluoroalkylether ALD/rabbit : ca. > 17000mg/kg

Skin irritation Rabbit

Classification : No skin irritation. Method: Draize test exposure time 4h

Eye irritation Rabbit

Classification : No eye irritation. Method: Draize test

Sensitization Guinea pig Result : Animal test did not cause sensitization by skin contact. Method: Buehler test

Human experience : Excessive exposures may affect human health as follows:

Inhalation : Upper respiratory tract: polymer fume fever

Skin contact: Skin redness

Eye contact: Blurred vision, excessive lachrymation

Further information: Exposure may result in reddening, tears and itching of the eyes and soreness in the nose and throat, together with coughing.

**11 ECOLOGICAL INFORMATION**

Toxicity to fish.

Perfluoroalkylether Static test LC50/96h/Oncorhynchus

mykiss (rainbow trout) : >1000mg/l

Aquatic toxicity static test EC50/48h/Daphnia magna

(water flea): > 1000mg/l

**12 DISPOSAL CONSIDERATIONS**

Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated.

**13 TRANSPORT CLASSIFICATION**

Not classified as hazardous for transport by air, sea, road or rail.