

SAFETY DATA SHEET



KRYTOX GPL 205

Internal code: 2739

Revision date: 04-01-2018

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Chemical name KRYTOX GPL 205

Article-no KRYXGPL205

Reach nr .

Replace MSDS of 24.10.2017

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

Uses of the chemical Lubricant.

1.3 Details of the supplier of the safety data sheet

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SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 1272/2008EC

2.2 Label elements

Hazard statement(s) EUH210 Safety data sheet available on request.

2.3 Other hazards

The risks regarding this product are mainly concerned its continued processing. Fumes from thermal decomposition of fluorated polymers can cause polymer fever with symptoms of a normal cold, especially if inhaled through smoking contaminated tobacco. Repeated polymer fevers can result in long-term effects on the lungs.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation If breathing is difficult, give oxygen. Seek fresh air if gases from overheating or incineration have been breathed in. If breathing stops, perform artificial respiration.

SAFETY DATA SHEET

KRYTOX GPL 205

Continued from last page

Internal code: 2739

Revision date: 04-01-2018

Skin contact	Wash skin with soap and water.
Eye contact	Remove contact lenses. Pull eyelids apart and rinse thoroughly with plenty of water for several minutes. Contact doctor if problem persists.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting unless a medical professional or poison information tells you to do so. Contact a doctor if a larger quantity is ingested. If unconscious, place in recovery position and get medical attention immediately.
<i>4.2 Most important symptoms and effects, both acute and delayed</i>	Inhalation can cause the following symptoms; Inhalation of fluorinated compounds can cause irritation in the respiratory system and lung edema. The inhalation of fluorinated compounds can cause polymer fever with symptoms resembling a normal cold, especially if inhaled through smoking contaminated tobacco. Eye contact can cause the following symptoms: Blurred vision, discomfort, increased lacrimation. Skin contact can cause the following symptoms: Irritation, redness.
<i>4.3 Indication of any immediate medical attention and special treatment needed</i>	No specific treatment. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

<i>5.1 Extinguishing media</i>	
Suitable extinguishing media	Water spray, foam, CO2 or powder. The product in itself will not burn. Use extinguishants that are appropriate for the current conditions and surroundings.
<i>5.2 Special hazards arising from the substance or mixture</i>	In case of fire, poisonous decay products can form. The compound does not burn.
<i>5.3 Advice for firefighters</i>	Fire fighters shall wear compressed air apparatus with excess pressure (SCBA) and full equipment.
Additional information	Standard procedures for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

<i>6.1 Personal precautions, protective equipment and emergency procedures</i>	Ensure adequate ventilation.
<i>6.2 Environmental precautions</i>	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
<i>6.3 Methods and material for containment and cleaning up</i>	Scoop up and put in suitable container for disposal.
<i>6.4 Reference to other sections</i>	Wear proper protective equipment recommended in section 8. Dispose of waste according to section 13.

SECTION 7: HANDLING AND STORAGE

<i>7.1 Precautions for safe handling</i>	Avoid inhalation of fumes. Do not store or ingest food, drinks or tobacco in spaces where there could be contamination of this substance. Use appropriate respiratory protection in case of insufficient ventilation.
<i>7.2 Conditions for safe storage, including any incompatibilities</i>	No special storage conditions needed. Keep container closed to avoid contamination. No decomposition when stored according to instruction.
<i>7.3 Specific end use(s)</i>	Refer to technical data sheet available on request.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<i>8.1 Control parameters</i>	
<i>8.2 Exposure controls</i>	
Exposure controls	Provide exhaust ventilation.
Respiration protection	Respiratory protection is not normally required.
Eye protection	Protective glasses.
Hand protection	Use chemically resistant gloves. Regarding glove's breakthrough time, contact your chemical protective glove supplier. The choice of protective gloves depends on working conditions. Screen the gloves continuously and discard upon any sign of impact.
Skin protection	Avoid contact with skin, eyes and clothes. No personal equipment is specified.

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SAFETY DATA SHEET

KRYTOX GPL 205

Continued from last page

Internal code: 2739

Revision date: 04-01-2018

Additional information Exercise good industrial hygiene practice. Wash hands during breaks and at the end of the work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	paste
Colour	White
Odour	none
pH - conc.	Neutral
pH - solution	Neutral
Melting point	320 °C
Flash point	Does not flash
Flash point method	Pensky-Martens Closed Cup
Relative density	1,89-1,93 g/cm ³ i 24 °C
Solubility water	insoluble
Decomposition temperature	300 °C

9.2 Other information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions None known.

10.4 Conditions to avoid High temperatures and ignition sources.

10.5 Incompatible materials No available data.

10.6 Hazardous decomposition products Fluorinated compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Skin corrosion/irritation Long-term and/or repeated skin contact can cause irritation.

Serious eye damage/ irritation No eye irritation using Method: Draize-test (rabbit).
By experience, it is known that humans can experience eye irritation upon overexposure.

Respiratory or skin sensitisation During animal testing (guinea pig), no sensitization was noticed upon skin contact. Method: Buehler Test

Aspiration hazard Through thermal decomposition of fluorinated polymers, toxic fumes causing flu-like symptoms develop. This is especially the case when smoking contaminated tobacco products.

Additional information Produkten:
Acute oral toxicity: ALD (rat) = >11 000 mg/kg

Acute inhalation toxicity:
No available data.

Perfluoro alkylether:
LC50 / 4 h Rat
Because of its physical properties there is no potential for harmful effects. This information is based on data known from similar products.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity Do not release product into drain or water systems. No results from ecotoxicological tests are available.

12.2 Persistence and degradability Not known.

12.3 Bioaccumulative potential Not known.

SAFETY DATA SHEET

KRYTOX GPL 205

Continued from last page

Internal code: 2739

Revision date: 04-01-2018

12.4 Mobility in soil	Expected to partition to soil and sediment.
12.5 Results of PBT and vPvB assessment	This product does not to our knowledge contain any PBT or vPvB.
12.6 Other adverse effects	

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal group	EWC code: 12 01 12. Recommendation. OBS! EWC-koden är endast vägledande. Användaren måste själv ange korrekt EWC-kod om användningsområdet avviker. Användaren bör kontrollera att korrekt kod används i enlighet med avfallsförordningen.
Packings	Dispose of in accordance with local regulations. G A Lindberg Chemtech AB är anslutet till FTI. Vi betalar förpackningsavgifter och tar därmed vårt producentansvar för återvinning av förpackningar. Information om var du finner närmaste återvinningsstation finns på www.ftiab.se .
Additional information	Product and packaging should be disposed of in accordance with regional and/or national regulations. För instruktioner om hur avfall från denna produkt ska bortföras - kontakta din kommuns miljöförvaltning eller renhållningskontor.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number	
14.2 UN proper shipping name	n/a
14.3 Transport hazard class(es)	n/a
14.4 Packing group	
14.5 Environmental hazards	
14.6 Special precautions for user	
Additional information	Inga särskilda krav rörande emballering eller märkning enligt ADR/RID, IMDG och IATA.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Detta säkerhetsdatablad har utarbetats i enlighet med Eropaparlamentets och rådets förordning (EG) Nr 1907/2006 (REACH) Bilaga II, enligt förordning EC No 1272/2008 (CLP). Arbetsmiljöverkets föreskrifter om hygieniska gränsvärden och åtgärder mot luftföroreningar, AFS 2014:43. Avfallsförordningen SFS 2001:1063. ADR/ADR-S (MSBFS 2009:2) samt RID/RID-S (MSBFS 2009:3).
15.2 Chemical safety assessment	
Additional information	Restricted to professional users.

SECTION 16: OTHER INFORMATION

Key literature references and sources for data	Safety Data Sheet prepared from data obtained from the manufacturer.
First released	20.02.2004
Printed date	04.01.2018
Additional information	This information is only valid for above mentioned product and is not necessary valid if the product is used together with one or several other products or in another process. The information is according to our judgement correct and complete and given in good faith but without warranty. It is up to the user to assure himself that the information is relevant and complete when it comes to his own use of this product.

--- SAFETY DATA SHEET conforming to commission regulation (EC) 1272/2008 and (EU) 2015/830 ---