



MATERIAL SAFETY DATA SHEET

Caliper Piston Grease 86005

I – IDENTIFICATION OF THE PRODUCT AND COMPANY

Trade Name	Caliper Piston Grease
Purpose	Grease for brakes calipers
Producer	FRENKIT S.L.
Direction	Poligono Aloa S/N 31100 Puente La Reina (Navarra) Spain
Tel: E-mail	+34 948 341 331 frenkit@frenkit.es

II – HAZARDS IDENTIFICATION

Classification	The material is not hazardous as defined in TC 0254-035-45540231-2012
Hazard for health	It is not hazardous for health under normal application conditions.
Ecological hazard	It is not classified as hazardous substance for environment.

III – COMPOSITION

Chemical composition	The product is a lithium-based plastic metal-plating grease
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Product	The chemical name of the component	Mass fraction, %	CAS-Number
Grease PAG			
	Dialkyldithiophosphates	4	68649-42-3
	Lithium complex soap	15	N/A
	Polyalkylene glycols	81	9003-11-06

IV – FIRST-AID MEASURES

General information	It is not hazardous for health under normal application conditions.
Eyes	Washout eyes with big quantity of water during 15 minutes. If irritation continues, consult a doctor.
Skin	Take off dirty dress. Polluted skin washout with soap. Under normal use doctor's consultation is not necessary.
Anatomical airways	Go outside. If breathing is difficult – consult a doctor.
Digestive system	Cure is not necessary. Exception is sudden swallowing of big quantity of product. If health is worth, consult a doctor.

V- MEASURES AND MEANS OF PREVENTING FIRE AND EXPLOSION HAZARD

Firefighting tools	Firefighting tools are used that don't keep on fire (sand, large felt melt, water, chemical foam, dry powder etc.)
Special hazard	Risk is not identified.
Prohibited means	Do not use water in the form of a jet.
Means of individual protection	Protective suit, respirator, isolated gas mask.

VI- MEASURES OF PREVENTING AND LIQUIDATION OF ACCIDENTS AND EMERGENCES



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Poured product is swamped with sand, clay or other inertial material is scooped up mechanically. Utilize proper way. It doesn't let product get in drinking sources on water pools surfaces, sewerage and soil.	
VII- STORAGE REGULATIONS OF CHEMICAL PRODUCTION AND ITS TREATMENT UNDER HANDLING OPERATIONS	
General safety rules	Under normal use of the product is stable and does not require special protective equipment. The product relates to hardly combustible and low toxic class.
Handling	It is not necessary under normal use.
Storage	Use rubber gloves.
Recommended materials	It is not necessary under normal use.
Incompatible materials	It is not necessary under normal use.
VIII- CONTROL MEASURES FOR HAZARDS AND MEANS OF INDIVIDUAL PROTECTION	
General information	Under normal use of the product preparation, product is stable and it doesn't require special protective equipment. Preparation of the product is related to hard-combustible and low-toxic products.
Protection of breathing	It is not required under right application.
Protection of eyes	It is not required under right application.
Protection of skin	It is not required under right application.
Protection of hands	Use rubber gloves.
IX – PHYSICAL AND CHEMICAL PROPERTIES	
Physical condition	Grease
Drop point, °C	+280 °C
Density g/cm ³	0,915
Solubility in water	Not soluble
Penetration under +25 °C	260-310
Colloid stability, % mass of separated oil, %	10
Flammability	Non-combustible
Oxidizing properties	Absent
Steam pressure	N/A
X – STABILITY AND REACTION CAPACITY	
Chemical stability	Material is stable under normal use conditions and storage.
Hazard of polymerization	Not hazardous
Incompatibility	With strong oxidants
Hazardous products of decomposition	Under normal storage conditions, formation of hazardous products is not supposed.
XI – TOXICOLOGICAL INFORMATION	
Product is not hazardous for organism and relates to IV Class of Hazard (substances are moderately hazardous as in GOST 12.1.007).	
Irritation of skin	Slight irritation
Irritation of eyes	Slight irritation
Other toxicological information	Information is based on properties of raw materials. It is not proved its carcinogenic or mutagenic property.
XII – ECOLOGICAL INFORMATION	
Eco-toxicological data were not received specially for this product. The information above is based on knowledge of components and results of eco-toxicological research of analogue products.	



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Acute toxicology	Product is considered non-toxic. Mineral oil does not make chronic action on water organisms under concentration less than 1mg/l. It has slow toxic effect on fish and micro flora of water pools. In water and air in the presence of other substances does not form toxic compound
Movement	Product is not mixed with water. Under penetration in soil it is absorbed with its particles
Stability	Product is not mixed with water. Under penetration in soil it is absorbed with its particles
Bio-accumulation	Product is not fast bio-degradable. Basic components are bio-degradable, but product has non bio-degradable substances.
Other impacts	It is not supposed a possibility of destruction of ozone layer and influence on global warming.

Protection of environment is provided under production with hermetically sealed technical equipment. Liquid and solid wastes are absent.

XIII – RECOMMENDATIONS FOR WASTE UTILISATION (REMAIDERS)

Waste (residues) should be placed in a clearly labeled container for subsequent disposal or recovery.
Any means of waste management must comply with all local and state laws and regulations.
Do not discharge into drains, onto the ground or into any water bodies.

XIV – INFORMATION AT TRANSPORTATIONS (SHIPMENT)

Properties of transportation UN number Hazard class	It is not classified as a hazardous load. N/A N/A
ADR/RID (Road transport) IMDG (Sea transport) IATA (Air transport)	Not subject to ADR / RID Not subject to IMDG specifications Not subject to IATA regulations
	The product can be transported by any means of transport

XV – NATIONAL AND INTERNATIONAL LAGISLATION

Under the international conventions and agreements it is not subjected.

XVI – ADDITIONAL INFORMATION

Contents and form of the given document corresponds to requirements:

1. GOST 30333-2007 "Passport of safety of chemical production. General requirements".
2. GOST 12.1.007-76 « Harmful substances. Classification and general safety requirements".
3. GOST 12.1.005-88 «General sanitary-epidemiological requirements to air of working zone".
4. GN 2.1.5.1315-03 "Maximum permissible concentration of (MPC) of chemical substances in water of water pools for household-drinking and cultural-household water management".
5. ГОСТ 19433-88 «Hazardous loads. Classification and labeling".

Information in this Safety Card corresponds to the latest modern level of our knowledge about product.

Product is applied and used in accordance to given advises. Information in this Safety Card does not compile instruction on the workplace.

Data contains in the given document have to be opened to any potential users of this product.

Utilization recommendations:

This product is applied and used as compound for sealing of threaded connections as specified in instruction on package for sealing of threaded connections.

Data: Abbreviation: N/A = was not identified;

N/D = is not determined.



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MATERIAL SAFETY DATA SHEET

GREASE 86010

Date: 20.02.2019

I – IDENTIFICATION OF THE PRODUCT AND COMPANY

Product name	GREASE 86010
Application area	Grease is used to lubricate the guides to reduce friction and protect surfaces from wear.
Manufacturer	FRENKIT S.L.
Adress	Poligono Aloa S/N 31100 Puente La Reina (Navarra) Spain
Phone/E-mail	+34 948 341 331 frenkit@frenkit.es

II – HAZARDS IDENTIFICATION

Classification	The cargo is not dangerous as specified in TC 0254-035-45540231-2012.
Hazard for health	It does not pose a health hazard in normal use
Ecological hazard	It is not classified as an environmental hazard.

III – COMPOSITION

Product	Components	mass concentration %	CAS-Number
GREASE 86010	Polymethylsiloxane Liquid	90	63148-62-9
	Polytetrafluoroethylene (Teflon)	5	63394-02-5
	Silica (SiO ₂)	5	112945-52-5

IV – FIRST-AID MEASURES

General information	It is not hazardous for health under normal application conditions.
Eyes	Washout eyes with big quantity of water during 15 minutes. If irritation continues, consult a doctor.
Skin	Take off dirty dress. Polluted skin washout with soap. Under normal use doctor's consultation is not necessary.
Anatomical airways	Go outside. Consult a doctor if breathing is difficult
Digestive system	Cure is not necessary. Exception is sudden swallowing of big quantity of product. If health is worth, consult a doctor.

V- MEASURES AND MEANS OF PREVENTING FIRE AND EXPLOSION HAZARD

Firefighting tools	Firefighting tools are used that don't keep on fire (sand, large felt melt, water, chemical foam, dry powder etc.)
Special hazard	Risk is not identified.
Prohibited means	Do not use water in the form of a jet.
Means of individual protection	Protective suit, respirator, isolated gas mask.



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VI- MEASURES OF PREVENTING AND LIQUIDATION OF ACCIDENTS AND EMERGENCES	
Poured product is swamped with sand, clay or other inertial material is scooped up mechanically. Dispose of proper way. It doesn't let product get in drinking sources on water pools surfaces, sewerage and soil.	
VII- STORAGE REGULATIONS OF CHEMICAL PRODUCTION AND ITS TREATMENT UNDER HANDLING OPERATIONS	
General safety rules	General safety rules
Handling	It is not required under right application.
Storage	Use rubber gloves.
Recommended materials	It is not required under right application.
Incompatible materials	It is not required under right application.
VIII- CONTROL MEASURES FOR HAZARDS AND MEANS OF INDIVIDUAL PROTECTION	
General information	Under normal use of the product preparation, product is stable and it doesn't require special protective equipment. Preparation of the product is related to hard-combustible and low-toxic products.
Protection of breathing	It is not required under right application.
Protection of eyes	It is not required under right application.
Protection of skin	It is not required under right application.
Protection of hands	Use rubber gloves.
IX – PHYSICAL AND CHEMICAL PROPERTIES	
Physical condition	Smooth paste, white color
Drop point, °C	+205 °C
Water content	Insoluble
Penetration at temperature +25 °C	340-400
Colloidal stability,% of allocated oil, no more	18,0
Flammability	Not flammable
Oxidizing properties	Absent
Pressure of vapor	N/A
X – STABILITY AND REACTION CAPACITY	
Chemical stability	Material is stable under normal use conditions and storage.
Hazard of polymerization	Not hazardous
Incompatibility	With strong oxidants
Hazardous products of decomposition	Under normal storage conditions, formation of hazardous products is not supposed.
XI –TOXICOLOGICAL INFORMATION	
Product is not hazardous for organism and relates to IV Class of Hazard (substances are moderately hazardous as in GOST 12.1.007).	
Irritation of skin	Slight irritation
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Other toxicological information	Information is based on properties of raw materials. It is not proved its carcinogenic or mutagenic property.



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XII – ECOLOGICAL INFORMATION

Eco-toxicological data were not received specially for this product.

The information above is based on knowledge of components and results of eco-toxicological research of analogue products.

Acute toxicology	It is practically non-toxic. Mineral oil in a concentration lower than 1mg / l does not have any chronic effect on aquatic organisms. It produces a mild toxic effect on fish and the microflora of reservoirs. In the presence of other substances in water or air, they do not form toxic compounds.
Movement	It does not mix with water. As it infiltrates the ground, it is absorbed by its particles.
Strength	It does not mix with water. As it infiltrates the ground, it is absorbed by its particles.
Bio-accumulation	It is not rapidly biodegradable. The main components are biodegradable, but the product contains substances that are not.
Other impacts	It is unlikely to affect ozone depletion or global warming.

Protection of environment is provided under production with hermetically sealed technical equipment. Liquid and solid wastes are absent.

XIII – RECOMMENDATIONS FOR WASTE UTILISATION (REMAIDERS)

Wastes (remainders) place in strictly labeled container for next utilization and regeneration. Any means of actions with wastes must be appropriate to all local and public laws and normative acts. Do not deposit in the sewage system, on the ground and all types of ponds.

XIV – INFORMATION AT TRANSPORTATIONS (SHIPMENT)

Properties of transportation UN number Hazard class	It is not classified as a dangerous cargo. N/A N/A
ADR/RID (Road transport) IMDG (Sea transport) IATA (Air transport)	ADR/RID rules do not apply IMDG technical conditions do not apply IATA rules do not apply It can be transported by any means of transport.

XV – NATIONAL AND INTERNATIONAL LEGISLATION

"Technical regulation";
"Environmental Protection";
"Sanitary and epidemiological well-being of citizens".
Under the international conventions and agreements it is not subjected.



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XVI – ADDITIONAL INFORMATION

Information in this Safety Card corresponds to the latest modern level of our knowledge about product.

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