



## Safety Data Sheet

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### CORE JOINT&CUP GREASE

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product

CORE JOINT&CUP GREASE

Manufacturer/distributor:Emergency advice

AXON inc.  
2-42-3-4F Ikebukuro Toshima Tokyo 171-0014 JAPAN  
Phone +81 3 5985 4445 , Fax +81 3 4496 4450

Recommended intended purpose(s)

Lubricant

## 2. HAZARDS IDENTIFICATION

Special hazards information for humans and environment

May be irritating to eyes, at repeated exposure irritating to skin

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical characterization

Mineral-oil based paste with solid lubricants and additives

### Hazardous ingredients

CAS No	EC No	Name	[%weight]	Classification
1314-13-2	215-222-5	zinc oxide	< 0,25	N R50-53
1305-62-0	215-137-3	calcium hydroxide	20 - 30	XiR38-41

### Additional advice

none at appropriate handling and storage

## 4. FIRST AID MEASURES

### General information

Remove contaminated soaked clothing immediately, dont leave to dry.

### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.  
(may be relevant for vapours of superheated product)

### In case of skin contact

In case of contact with skin wash off immediately with soap and water.

Dont use organic solvents

Consult a doctor if skin irritation persists.

### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

### In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

### Physicians information / possible symptoms

No symptoms known so far.

### Physicians information / possible dangers

Aspiration hazard when vomiting after swallow up

### Treatment (Advice to doctor)

Treat symptoms.

Cream skin to avoid dermatitis



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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Foam  
Dry fire-extinguishing substance  
Carbon dioxide  
Water spray jet

### Extinguishing media which must not be used for safety reasons

Full water jet

### Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire gas of organic material has to be classed invariably as respiratory poison.

### Special protective equipment for fire-fighters

In case of rescue and maintenance activities in storage containers use environment-independent breathing apparatus because of risk of suffocation by edging out of air oxygen

Wear suitable personal protective equipment for fire extinguishing measures.

### Additional information

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Ensure adequate ventilation.  
Keep away sources of ignition.  
Avoid contact with skin and eyes  
High risk of slipping due to leakage/spillage of product.

### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.  
Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the subsoil/soil.

### Methods for cleaning up

Send in suitable containers for recovery or disposal.  
Take up with absorbent material (e.g. general-purpose binder).

### Additional Information

Informations for disposal see chapter 13.

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## 7. HANDLING AND STORAGE

### Advice on safe handling

Take the usual precautions when handling with chemicals.

### Advice on protection against fire and explosion

The product is combustible.  
Pay attention to general rules of internal fire prevention.

### Requirements for storage rooms and vessels

Prevent penetration into the ground.

### Advice on storage compatibility

Do not store together with oxidising and self-inflammable materials.

### Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.  
Protect from heat and direct solar radiation.  
Store in a dry place.  
Recommended storage temperature: room temperature.

**Storage group** 10

**Fire class** B

### Information on storage stability

Storage time: 24 months.

### Recommendation(s) for intended use

see Product information



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Additional advice on system design

Care for good room ventilation, exhaust system at workshop place if necessary

### Additional advice

As basis for this information served the valid references.

### Respiratory protection

Not required at determined application

### Hand protection

PVC gloves  
nitrile gloves

### Eye protection

safety goggles

### Skin protection

Usual working clothes for chemical industries

### General protective measures

Avoid contact with eyes and skin  
Do not inhale aerosols

### Hygiene measures

Clean skin thoroughly after working.  
Cloths contaminated with product should not be kept in trouser pockets.  
At work do not eat, drink, smoke or take drugs.  
Follow general rules of industrial hygiene for safe handling of chemical products  
Work in rooms with good ventilation.  
Keep away from food and drink.  
Storing of food in workroom forbidden.  
Use barrier skin cream.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Form

pasty

### Colour

beige

### Odour

characteristic

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>					not applicable
<b>boiling range</b>					not applicable
<b>drop point</b>	> 270 °C			DIN/ISO 2176	
<b>Flash point</b>					not applicable
<b>Autoignition</b>					unknown
<b>Density</b>	ca. 1,2 g/cm <sup>3</sup>	20 °C		DIN 51757	
<b>Solubility in water</b>					more or less insoluble
<b>Partition coefficient (log p<sub>OW</sub>)</b>					not determined
<b>Viscosity 1</b>				DIN 51818	NLGI 2
<b>Oxidizing properties</b>					no
<b>Explosive properties</b>					none at appropriate handling and storage



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**10. STABILITY AND REACTIVITY****Conditions to avoid**

none at appropriate handling and storage

**Materials to avoid**

Reactions with strong alkalies and oxidising agents.

**Hazardous decomposition products**

none at appropriate handling and storage

**Thermal decomposition**

Remark No decomposition if used as directed.

**Additional information**see Product information

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**11. TOXICOLOGICAL INFORMATION****Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD 50 acute oral</b>				not determined
<b>Irritability skin</b>	non-irritant	rabbit	OECD 404	
<b>Irritability eye</b>	non-irritant	rabbit eye	OECD 405	
<b>Skin sensitization</b>	No sensitizing effect known			

**Experiences made from practice**

Frequent contact specially if dried out may cause skin and eye irritations.

**Additional information**

The product has not been tested. The information is derived from products of similar composition.

The product was classified on the basis of the calculation procedure of the preparation directive (88/379/EEC).

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**! 12. ECOLOGICAL INFORMATION****Data on elimination (persistence and degradability)**

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				not determined

**Mobility and bioaccumulative potential**

The product has not been tested. Because of the products consistency and low solubility in water bio availability is not likely. preparation is water insoluble and does not formate emulsion

**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>				not determined

**! Behaviour in sewage plant**

Product gets duly not into waste water before it is not treated according to the local regulations.

**General regulation**

Ecological dates are not available.

Do not allow uncontrolled leakage of product into the environment.

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**13. DISPOSAL CONSIDERATIONS****Waste code No.**

12 01 12\*

**Name of waste**

spent waxes and fats

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

**Recommendations for the product**

Standardized regulations for residual waste disposal within the EG member states do not exist.

German statutes are prescribed in the law of "recycling and waste" (KrW/AbfG)

used absorbents of chapter 6: EAK 07 06 10

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**Recommendations for packaging**

Totally emptied packaging may be taken for recycling.  
totally discharged and depressurized sprayer: EWC 15 01 04  
Dispose one-trip container according to local authority prescriptions

**Recommended cleansing agent**

white spirit  
Fat-dissolving agents

**General information**

Ultimately responsible for correct classification is the waste producer, as the EWC names different codes for different origins of same waste  
Therefore the a.m. recommendation has to be checked in case of need.

**14. TRANSPORT INFORMATION****Land and inland navigation transport ADR/RID**

No hazardous material as defined by the prescriptions.

**Marine transport IMDG**

No hazardous goods as defined by prescriptions

**Air transport ICAO/IATA-DGR**

No hazardous goods as defined by prescriptions

**15. REGULATORY INFORMATION****Remarks for classification**

The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.  
Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.  
Classification done on the basis of calculation methods of substance directive (67/548 / EEC ).

**S-phrases**

24/25 Avoid contact with skin and eyes.

**National regulations**

<b>Water hazard class</b>	2	Mixture-WGK according to VwVwS (GER) preliminary
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**VOC standard**

<b>VOC content</b>	0 %
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**16. OTHER INFORMATION****Training advice**

Use information in this MSDS

**Recommendend uses and restrictions**

usage only according to instructions for use and observance of warning notes  
National and local regulations concerning chemicals shall be observed.

**Further information**

The information given in this MSDS is based on the present state of knowledge and is intended to describe our products from the point of view of safety requirements only.

Substantial changes to the former version are marked by "!" on the left margin of the paper.

Refer to product information paper.

**Sources of key data used**

Material Safety Data Sheets of raw materials

**Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)**

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.