

## SAFETY DATA SHEET (SDS)

**PRODUCT NAME: GREASE - ANEST IWATA**

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

#### 1.1 Product identifier

Product name: Anest Iwata Grease.  
Other means of identification: None.  
Item numbers: IKM000157, Part of Service Kit A710-05-800.

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

Identified use: Lubricating grease.  
Uses advised against: No data available.

#### 1.3 Details of the supplier of the safety data sheet.

##### UK contact details

Edwards, Innovation Drive, Burgess Hill, West Sussex,  
RH15 9TW, United Kingdom

##### General enquiries

Tel: +44 (0)8459 212223  
Email: info@edwardsvacuum.com

##### US contact details

Edwards, 6416 Inducon Drive West, Sanborn,  
New York, 14132, USA

##### General enquiries

Toll Free: 1-800-848-9800

#### 1.4 Emergency telephone number

Chemtrec: 1-800-424-9300.

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

GHS classification: Mixture.  
Classification according to  
Regulation (EC) No. 1272/2008: No data available.  
Classification according to  
Directive 1999/45/EC: No data available.

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### 2.2 Label elements

Hazard pictograms: No data available.  
Signal words: No data available.  
Hazard statements: No data available.  
Precautionary statements: No data available.

### 2.3 Other hazards

PBT criteria: No data available.  
vPvB criteria: No data available.  
Other hazards which do not result in a classification: None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

Ingredient	% Weight	CAS No	Hazard class*	Risk phrase / Hazard Statements*
Perfluoropolyether	> 70	No data available	Not applicable	Not applicable
Polytetrafluoroethylene	< 25	9002-84-0	Not applicable	Not applicable
Additives	< 5	No data available	Not applicable	Not applicable

\* Hazard class, Risk phrase and Hazard Statements. These columns are only completed for ingredients which are classified as hazardous under EU Directive No 1272/2008 (as amended) and are present in sufficient concentration to make the overall substance hazardous. In all other situations, the column will be completed as "Not applicable".

Full text for the declared risk phrases and hazards statements is given in Section 16.

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#### SECTION 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

Eyes:	Rinse eyes thoroughly with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention if symptoms persist.
Skin:	Wash contaminated skin with plenty of soap and water. Seek medical attention if symptoms occur.
Ingestion/Oral:	If large quantities are swallowed, do not induce vomiting. Seek medical attention.
Inhalation:	If breathing problems occur, remove the affected person to fresh air. A qualified individual should administer Oxygen or artificial respiration as indicated. Seek immediate medical attention.
General advice:	None.

##### 4.2 Most important symptoms and effect, both acute and delayed

###### Potential acute health effects:

Eyes:	None known.
Skin:	Repeated and prolonged skin contact may irritate the skin or cause dermatitis.
Ingestion / Oral:	None known.
Inhalation:	None known.
Over-exposure symptoms:	
Eyes:	None known.
Skin:	None known.
Ingestion / Oral:	None known.
Inhalation:	None known.

##### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

#### SECTION 5. FIRE FIGHTING MEASURES

##### 5.1 Extinguishing media

Suitable extinguishing media:	The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water fog/mist may be used to cool closed containers.
Unsuitable extinguishing media:	None known.

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### 5.2 Special hazards arising from the substance or mixture

Fire and explosion hazard: No data available.

Hazardous combustion products Thermal decomposition may occur at temperatures above 280 °C / 536 °F liberating fluorinated compounds.

### 5.3 Advice for fire-fighters

Special precautions for fire-fighters: No special precautions required.

Special protective equipment for fire-fighters: Firefighters should wear Self-Contained Breathing Apparatus (SCBA) with a full face-piece operated in positive pressure mode to protect against thermal decomposition products.

For Flammability Properties - refer to Section 9.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate non-essential staff, or those not equipped with individual personal protective equipment. Turn leaking containers leaktight up to prevent the escape of the product. Do not touch or walk through spilled material. Avoid contact with skin. Put on appropriate personal protective equipment (refer to Section 8).

For emergency responders: No data available.

### 6.2 Environmental precautions:

Stop the leak if it is safe/possible to do so. Place recovered grease in containers. Avoid contaminating sewers, streams, rivers and other water courses with spilled product. Notify the appropriate authorities if significant contamination occurs.

### 6.3 Methods and material for containment and cleaning up

Put on the necessary personal protective equipment: refer to Section 8. Exercise caution; the spill area may be slippery. Use mechanical handling equipment to clean spilled material.

### 6.4 Reference to other sections

Refer to Section 8 for information on personal protective equipment.

Refer to Section 13 for information on disposal considerations.

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### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Ensure personal protective equipment is used whenever handling the product, refer to Section 8. Avoid contact with skin, eyes and clothing. Avoid eating and drinking in areas where the product is used. Practice good hygiene. Wash hands after use and prior to consuming food and drink.

#### 7.2 Conditions for safe storage, including any incompatibilities

DO NOT store together with food. Store in original, sealed containers protected from direct sunlight in a dry, cool, well ventilated area away from heat sources.

#### 7.3 Specific end use(s)

No data available.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Substance	ACGIH - TLV	OSHA - PEL	Occupational Exposure Limits EH40 (UK)
No data available	No data available	No data available	No data available

#### 8.2 Exposure controls

Appropriate engineering controls: None required under normal conditions of use.

Individual protection measures:

Eye/Face Protection: Safety glasses with side shields, safety goggles or face shields in case of splashes. Avoid wearing contact lenses.

Hand/Skin Protection: Wear suitable protective clothing such as oil impermeable gloves and overalls/coveralls appropriate to the risk at the specific workplace. Avoid prolonged exposure to the material. Clean skin thoroughly after handling product and apply skin cream.

Respiratory Protection: None required under normal conditions of use.

Hygiene Measures: Practice good hygiene. Wash face, hands and any exposed skin thoroughly after handling. Immediately remove all soiled and contaminated clothing. Clean contaminated clothing before re-use. Do not eat or drink while handling the product.

Other/General Protection: Keep product away from tobacco products.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Appearance	White paste	Melting point / freezing point	No data available	°C / °F
Odour	None	Initial boiling point and boiling range	No data available	°C / °F
Odour threshold	Not applicable	Flash point	Not applicable	°C / °F
pH	No data available	Upper/lower flammability or explosive limits	Not applicable	°C / °F
Evaporation rate	No data available	Vapour pressure	Not applicable	kPa
Flammability (solid, gas)	No data available	Vapour density	No data available	g/cm <sup>3</sup>
Solubility(ies)	Insoluble in water	Relative density	Approximately 1.9 @ 20 °C / 68 °F	g/m <sup>3</sup>
Partition coefficient: n-octanol/water	No data available	Auto-ignition temperature	No data available	°C / °F
Explosive properties	No data available	Decomposition temperature	No data available	°C / °F
Oxidising properties	No data available	Viscosity	No data available	cSt

#### 9.2 Other information

None.

### SECTION 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No data available.

#### 10.2 Chemical stability

Stable under normal conditions of use.

#### 10.3 Possibility of hazardous reactions

None expected under normal conditions of use.

#### 10.4 Conditions to avoid

None.

#### 10.5 Incompatible materials

Avoid strong bases, alkali metals, alkaline earth metals and Lewis acids.

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#### 10.6 Hazardous decomposition products

If heated to temperatures above 280 °C / 536 °F, fluorinated products can be released. Some materials (for example, Titanium, Aluminium and their alloys) may cause lower decomposition temperatures.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Acute toxicity:	No data available.
Irritation:	Prolonged or repeated skin contact may cause irritation and/or dermatitis.
Corrosivity:	No data available.
Sensitisation:	No data available.
Repeat dose toxicity:	No data available.
Carcinogenicity:	No data available.
Mutagenicity:	No data available.
Specific Target Organ Toxicity (STOT) - single exposure	No data available.
STOT - repeated exposure	No data available.
Aspiration hazard	No data available.
Toxicity for reproduction:	No data available.

#### Information on likely routes of exposure

No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye Effects:	None known.
Skin Effects:	Prolonged skin contact may cause irritation and/or dermatitis.
Ingestion/Oral Effects:	None known.
Inhalation Effects:	None known.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

#### Other information

No data available.

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### SECTION 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

When used and/or disposed of correctly, no adverse environmental effects are foreseen. Aquatic toxicity is unlikely due to low solubility.

#### 12.2 Persistence and degradability

Product is insoluble in water. May be separated out mechanically in purification plants.

#### 12.3 Bioaccumulative potential

No data available.

#### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

PBT: No data available.

vPvB: No data available.

#### 12.6 Other adverse effects

No data available.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product: Dispose of the product in compliance with all applicable local and national regulations. This product contains Halogen. Product may be incinerated.

Packaging: Dispose of the packaging in compliance with all applicable local and national regulations. Rinsed packaging can be recycled.



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### SECTION 14. TRANSPORT INFORMATION

#### 14.1 UN number

ADR/RID	IMDG	IATA	United States DOT
Not applicable	Not applicable	Not applicable	Not applicable

#### 14.2 UN proper shipping name

ADR/RID	IMDG	IATA	United States DOT
Not applicable	Not applicable	Not applicable	Not applicable

#### 14.3 Transport hazard class

ADR/RID	IMDG	IATA	United States DOT
Not applicable	Not applicable	Not applicable	Not applicable

#### 14.4 Packing group

ADR/RID	IMDG	IATA	United States DOT
Not applicable	Not applicable	Not applicable	Not applicable

#### 14.5 Environmental hazards

ADR/RID	IMDG	IATA	United States DOT
Not applicable	Not applicable	Not applicable	Not applicable

#### 14.6 Special precautions for user

ADR/RID	IMDG	IATA	United States DOT
Not applicable	Not applicable	Not applicable	Not applicable

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

No data available.

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### SECTION 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environment regulations/legislation specific for the substance or mixture

##### European

This product has been classified in accordance with EU Regulation No 1907/2006 (REACH) on the Classification, Labelling and Packaging of Substances and Mixtures.

Classified as dangerous to supply: No.

German Federal Water Management Act: No data available.

##### United States

Materials contained in this product are on the U.S. Toxic Substances Control Act (TSCA).

##### SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION:

This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and 40 CFR Part 372.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

##### Canadian

WHMIS Classification: Not applicable.

Ingredients in this product are included in the Canadian DSL.

#### 15.2 Chemical safety assessment

No data available.

### SECTION 16. OTHER INFORMATION

This SDS is compiled in accordance with ANSI Z400.1, Regulation (EC) No 1907/2006 (as amended by Regulation No 453/2010) concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

#### 16.1 Full text of abbreviated statements and phrases

Not applicable.

#### 16.2 NFPA / HMIS hazard codes

NFPA Hazard codes		HMIS Hazard codes		Rating System
Health	No data available	Health	No data available	0 = No Hazard
Flammability	No data available	Flammability	No data available	1 = Slight Hazard
Instability	No data available	Reactivity	No data available	2 = Moderate Hazard
				3 = Serious Hazard
				4 = Severe Hazard

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#### 16.3 Sources of information for this data sheet

- Anest Iwata Corporation Grease Kit 98883101 MSDS AV001e-01, Issue Date 11<sup>th</sup> July 2011, Revised Date 1<sup>st</sup> October 2013

#### 16.4 Glossary

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ANSI - American National Standards Institute; CAS No. - Chemical Abstracts Service number; Chemtrec - Chemical Transportation Emergency Centre (US); DSL - Domestic Substances List; EH40 (UK) - HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA - Emergency Planning and Community Right-to-Know Act; EU European Union; GHS - Globally Harmonized System of Classification and Labelling of Chemicals; HMIS - Hazardous Material Information Service; IATA - International carriage of dangerous goods by air; IBC - International Bulk Chemical; IMDG - International carriage of dangerous goods by sea; LD - Lethal Dose; MARPOL 73/78 - International Convention for the Prevention of Pollution from Ships, 1973 as modified by the protocol of 1978; NFPA - National Fire Protection Association; OSHA - Occupational Safety and Health Administration; PBT - Persistent, Bioaccumulative, Toxic chemical; PEL - Permissible Exposure Limit; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - International carriage of dangerous goods by rail; SARA (Title III) - Superfund Amendments and Reauthorization Act; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SDS - Safety Data Sheet; STEL - Short Term Exposure Limit, 15 minute reference period; STOT - Specific Target Organ Toxicity; SCBA - Self-Contained Breathing Apparatus; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time Weighted Average, 8 hour reference period; US DOT - US Department of Transportation; vPvB - Very Persistent, Very Bioaccumulative chemical; WHMIS - Workplace Hazardous Materials Information System.

#### 16.5 Revisions:

November 2014 - Data Sheet updated to conform to Regulation (EC) No 1907/2006 (as amended by Regulation 453/2010) and GHS.

January 2016 - Contact details updated. Revision date not changed to preserve 2-yearly SDS review date.

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