

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product name:** ASSA ABLOY Lock Grease / Lock lubrication

**Article no:** 938057, 938058, 2495006, 705199100000, 441045

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

**Identified uses:** Lubricant

**Uses advised against:** No uses advised against identified.

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

**Supplier**

ASSA ABLOY Opening Solutions Sweden AB  
P.O.Box 371  
SE-631 05 Eskilstuna  
Sweden

**Contact Person:**

Telephone:

+46 16-17 70 00

E-mail:

helpdesk.assa@assaabloy.com

**1.4 Emergency telephone number:** +49 (0) 6301 3206-0

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 as amended.**

**Environmental Hazards**

Chronic hazards to the aquatic environment

Category 3

H412: Harmful to aquatic life with long lasting effects.

**Hazard summary**

**Physical Hazards:** No data available.

#### 2.2 Label Elements

**Hazard Statement(s):** H412: Harmful to aquatic life with long lasting effects.

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## Precautionary Statement

**Prevention:** P273: Avoid release to the environment.

**2.3 Other hazards:** By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### General information:

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Lime hydrate	215-137-3	1,00 - <3,00%	01-2119475151-45	
Traizine derivative	253-575-7	1,00 - <5,00%		
anorganische Zn-Verbindung	235-804-2	1,00 - <3,00%		
Zn compound	215-222-5	0,10 - <0,25%		

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

#### Classification

Chemical name	Identifier	Classification
Lime hydrate	215-137-3	CLP: Eye Dam. 1;H318, STOT SE 3;H335, Skin Irrit. 2;H315
Traizine derivative	253-575-7	CLP: STOT RE 2;H373
anorganische Zn-Verbindung	235-804-2	CLP: Repr. 2;H361d, Aquatic Acute 1;H400, Aquatic Chronic 2;H411
Zn compound	215-222-5	CLP: Aquatic Acute 1;H400, Aquatic Chronic 1;H410

CLP: Regulation No. 1272/2008.

For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

**General:** Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

### 4.1 Description of first aid measures

**Inhalation:** Supply fresh air; consult doctor in case of symptoms.

**Eye contact:** If in eyes wash out immediately with water. Get medical attention if any discomfort continues.

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**Skin Contact:** Wash with soap and water.

**Ingestion:** Rinse mouth thoroughly. Contact physician if larger quantity has been consumed.

**4.2 Most important symptoms and effects, both acute and delayed:** No data available.

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

**Hazards:** No data available.

**Treatment:** Get medical attention if symptoms occur.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing media:** CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

**Unsuitable extinguishing media:** Water with a full water jet.

**5.2 Special hazards arising from the substance or mixture:** During fire, gases hazardous to health may be formed.

**5.3 Advice for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Not required.

**6.2 Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

**6.3 Methods and material for containment and cleaning up:** Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations.

**6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

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Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

## SECTION 7: Handling and storage:

**7.1 Precautions for safe handling:** Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.

**7.2 Conditions for safe storage, including any incompatibilities:** Local regulations concerning handling and storage of waterpolluting products have to be followed.

**7.3 Specific end use(s):** not applicable

**Storage Class:** 11, Combustible solids

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

### 8.2 Exposure controls

#### Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Individual protection measures, such as personal protective equipment

##### General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

##### Eye/face protection:

Safety glasses (EN 166) recommended during refilling.

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## **Skin protection**

### **Hand Protection:**

Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Protective gloves, where permitted in acc. to safety directions. Suitable gloves can be recommended by the glove supplier. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Use skin protection cream for preventive skin protection.

### **Other:**

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

### **Respiratory Protection:**

Not relevant, due to the form of the product.

### **Thermal hazards:**

No data available.

### **Hygiene measures:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

### **Environmental Controls:**

No data available.

## **SECTION 9: Physical and chemical properties**

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

#### **Appearance**

<b>Physical state:</b>	solid
<b>Form:</b>	Paste
<b>Color:</b>	Light brown
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	not applicable
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	not applicable
<b>Flash Point:</b>	not applicable
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%)-:</b>	No data available.
<b>Flammability Limit - Lower (%)-:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	0,90 g/cm <sup>3</sup> (15 °C)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.

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<b>Decomposition Temperature:</b>	No data available.
<b>Flow time</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.
<b>9.2 Other information</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical Stability:</b>	No data available.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal conditions.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	Causes eye irritation.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Lime hydrate	LD 50 (Rat): > 2.001 mg/kg
Traizine derivative	LD 50 (Rat): > 3.000 mg/kg
anorganische Zn-Verbindung	No data available.
Zn compound	LD 50 (Rat): > 2.001 mg/kg

##### Dermal

<b>Product:</b>	Not classified for acute toxicity based on available data.
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**Product name:** Lock Grease

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**Specified substance(s)**

Lime hydrate	LD 50 (Rabbit): > 2.500 mg/kg
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Inhalation**

**Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	LC 50 (Rat, 4 h): 5,7 mg/l

**Repeated dose toxicity**

**Product:**

No data available.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Skin Corrosion/Irritation:**

**Product:**

Not irritant. OECD 404 (Rabbit):  
Not irritant.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Serious Eye Damage/Eye Irritation:**

**Product:**

Not irritant. OECD 405 (Rabbit):  
Not irritant.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Respiratory or Skin Sensitization:**

**Product:**

No data available.

**Product name:** Lock Grease

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**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**In vivo**

**Product:** No data available.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.



**Product name:** Lock Grease

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**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**Other Adverse Effects:** No data available.

## SECTION 12: Ecological information

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### 12.1 Toxicity

#### Acute toxicity

##### Fish

**Product:** No data available.

**Specified substance(s)**

Lime hydrate	LC 50 (Fish, 96 h): 50,6 mg/l
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	LC 50 (Fish, 96 h): > 6 mg/l

##### Aquatic Invertebrates

**Product:** No data available.

**Specified substance(s)**

Lime hydrate	EC 50 (Water Flea, 48 h): 49,1 mg/l
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.

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Zn compound EC 50 (Water Flea, 48 h): 2,2 mg/l

## Chronic Toxicity

### Fish

**Product:** No data available.

#### Specified substance(s)

Lime hydrate No data available.  
Traizine derivative No data available.  
anorganische Zn-  
Verbindung No data available.  
Zn compound No data available.

### Aquatic Invertebrates

**Product:** No data available.

#### Specified substance(s)

Lime hydrate No data available.  
Traizine derivative No data available.  
anorganische Zn-  
Verbindung No data available.  
Zn compound No data available.

### Toxicity to Aquatic Plants

**Product:** No data available.

#### Specified substance(s)

Lime hydrate EC 50 (Alga, 72 h): 184,57 mg/l  
Traizine derivative No data available.  
anorganische Zn-  
Verbindung No data available.  
Zn compound EC 50 (Alga, 72 h): 0,17 mg/l

## 12.2 Persistence and Degradability

### Biodegradation

**Product:** No data available.

#### Specified substance(s)

Lime hydrate No data available.  
Traizine derivative No data available.  
anorganische Zn-  
Verbindung No data available.  
Zn compound No data available.

## 12.3 Bioaccumulative Potential

**Product:** No data available.

#### Specified substance(s)

**Product name:** Lock Grease

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Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**12.4 Mobility in Soil:** No data available.

**Known or predicted distribution to environmental compartments**

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**12.5 Results of PBT and vPvB assessment:** No data available.

Lime hydrate	No data available.
Traizine derivative	No data available.
anorganische Zn- Verbindung	No data available.
Zn compound	No data available.

**12.6 Other Adverse Effects:** Harmful to aquatic life with long lasting effects.

**Water Hazard Class (WGK):** WGK 1: slightly water-endangering.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:** Dispose in accordance with all applicable regulations.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

## SECTION 14: Transport information

### ADR/RID

14.1 UN Number:	—
14.2 UN Proper Shipping Name:	—
14.3 Transport Hazard Class(es)	
Class:	Non-dangerous goods
Label(s):	—
Hazard No. (ADR):	—
Tunnel restriction code:	—
14.4 Packing Group:	—
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

**Product name:** Lock Grease

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## ADN

14.1 UN Number: –  
14.2 UN Proper Shipping Name: –  
14.3 Transport Hazard Class(es)  
Class: Non-dangerous goods  
Label(s): –  
14.3 Packing Group: –  
14.5 Environmental hazards: –  
14.6 Special precautions for user: –

## IMDG

14.1 UN Number: –  
14.2 UN Proper Shipping Name: –  
14.3 Transport Hazard Class(es)  
Class: Non-dangerous goods  
Label(s): –  
EmS No.: –  
14.3 Packing Group: –  
14.5 Environmental hazards: –  
14.6 Special precautions for user: –

## IATA

14.1 UN Number: –  
14.2 Proper Shipping Name: –  
14.3 Transport Hazard Class(es):  
Class: Non-dangerous goods  
Label(s): –  
14.4 Packing Group: –  
14.5 Environmental hazards: –  
14.6 Special precautions for user: –

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** not applicable.

## SECTION 15: Regulatory information

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

#### EU Regulations

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

#### National Regulations

**Water Hazard Class (WGK):** WGK 1: slightly water-endangering.

**15.2 Chemical safety assessment:** No data available.

Product name: Lock Grease

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## SECTION 16: Other information

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**Revision Information:** Vertical lines in the margin indicate an amendment.

### Wording of the H-statements in section 2 and 3

H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Training information:** Follow training instructions when handling this material.

**Other information:** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP). The classification of this product is based all or in part on test data.

**Revision Date:** 16.10.2015

**Disclaimer:** The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.