



# Safety data sheet

## Kema GF-154 Glass Cleaner.

### 1. Identification of the substance/preparation and of the company/undertaking

Revision: 01-10-2007/ HN Replaces: 13-12-2005	Supplier: <b>ITW Chemical Products Scandinavia</b> <b>Priorsvej 36</b> <b>8600 Silkeborg</b> <b>Tel:(+45) 86 82 64 44 Fax:(+45) 86 82 64 64</b> <b>Emergency telephone number: +45 86 82 64 44</b> <b>Emergency telephone number between 8 and 15.30 ;</b> <b>Monday to Friday.</b> <b>Contact person:Helle Nielsen</b> <b>Email: info@itw-scan.com</b>
<b>Product use:</b> Glass Cleaner.	
<b>Article number:</b> 07365	

### 2. Hazards identification

<b>Additional information</b> This product is not flammable in its composition.
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### 3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%
200-578-6	64-17-5	ethanol	F;R11	10-15
200-661-7	67-63-0	Propan-2-ol	F;R11 Xi;R36 R67	5-10
270-704-2	68476-85-7	Petroleum gases, liquefied (<0.1% 1,3-butadien)	F+;R12	10-15
215-647-6	1336-21-6	ammonia	C;R34 N;R50	<1

Please see section 16 for the full text of the R-phrases

### 4. First aid measures

<b>Inhalation</b> Seek fresh air. Seek medical advice if symptoms persist.
<b>Ingestion</b> Wash out mouth thoroughly and drink plenty of water. Seek medical advice if symptoms persist.
<b>Skin</b> Wash skin with soap and water. Use a moisture cream.
<b>Eyes</b> Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice if symptoms persist.
<b>Burns</b> Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
<b>Other information</b> When obtaining medical advice, show the safety data sheet or label.

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### 5. Fire-fighting measures

The product is not directly flammable. Avoid inhalation of vapour and flue gases – seek fresh air. Extinguish with powder, foam, carbon dioxide or water mist. Do not use water spray, as it may spread the fire. Use water or water mist to cool non-ignited stock. Remove containers from the danger area if this is possible without risk. CAUTION! Aerosol containers may explode. Fire fighters should wear self-contained breathing apparatus.

### 6. Accidental release measures

Use the same personal protective equipment as stated in section 8. Provide adequate ventilation. Smoking and naked flames prohibited. Wipe up drops and splashes with a cloth and dispose of the cloth as set out in section 13. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Spillage from aerosols is very unlikely. Spillage should be contained with cloth or oil absorbent materials and placed in suitable containers for destruction.

### 7. Handling and storage

#### Handling

Contains organic solvents. Wear suitable gloves and goggles to avoid contact with skin and eyes.

#### Storage

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C.

### 8. Exposure controls/ personal protection

#### Precautions for use

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

#### Respiratory protection

The product contains liquids with a low boiling point which are poorly adsorbed on charcoal filters. The use of fresh air respiratory protective equipment is thus required. In most cases a mask with a filter insert for hydrocarbon solvents is adequate, as the product normally is used only for a short period of time.

#### Gloves and protective clothing

Use nitril gloves in case of repeated or prolonged contact.

#### Eye protection

Wear safety goggles if there is a risk of eye splash.

#### Occupational exposure limits

Ingredients	Exposure limit	Remarks
ethanol	1000 ppm 1920 mg/m <sup>3</sup>	-
Propan-2-ol	400 ppm 999 mg/m <sup>3</sup>	-

The exposure limits stated are in accordance with EH40/2002 Occupational Exposure Limits 2002.

#### Control methods

Compliance with occupational exposure limits may be checked by occupational hygiene measurements; Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

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### 9. Physical and chemical properties

Appearance: White foam.  
Odour: Cleaning agent  
Solubility in water (g/100 ml): Soluble.  
pH (concentrate): 11

Content of organic solvents % 20

### 10. Stability and reactivity

Stable under recommended storage and handling conditions. Durability for the aerosol is at least 3 years from date of production, but it can be used for up to 5 years if there is enough propellant in the aerosol to apply the contents in a satisfactory way. Reacts with strong oxidizing agents. Combustion will generate: Carbon monoxide, carbon dioxide, smoke and oxides of nitrogen. Water vapour.

### 11. Toxicological information

#### **Acute**

#### **Inhalation**

The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

#### **Ingestion**

Difficult because of the packing. May cause chemical pneumonia if ingested or vomited.

#### **Skin contact**

Degreases the skin. Long-term exposure may cause irritation and possible infection. May irritate the skin – may cause reddening.

#### **Eye contact**

May cause eye irritation.

#### **Long-term effects**

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### 12. Ecological information

No specific biodegradability test has been carried out on this product. Based on information on similar products the product is expected to be biodegradable with a moderate rate of degradability.

#### **Ecotoxicity**

There have not been performed any particular tests with this product. Due to the packaging and on the basis of information on some of the ingredients, an insignificant toxicity is expected for fish.

#### **Mobility**

Mixable with water. May spread in the aquatic environment. A part of the product is volatile and will evaporate from water and earth in a few days.

#### **Persistence and degradability**

Degradability data not provided.

#### **Bioaccumulative potential**

No bioaccumulation data provided.

### 13. Disposal considerations

Wasters, including emptied containers, are controlled wasters and should be disposed in accordance with regulation made by the local authorities.

Empty aerosols (totally emptied for propellant) or aerosols that by accident have been punctured: EWC-code 15 01 04. Remains of the product should be disposed of in accordance with regulations made by the local authorities: EWC-code 16 05 04.

### 14. Transport information

The product must be transported in accordance with national and/or international rules for transport of dangerous goods by road and sea according to ADR and IMDG.

**ADR:** UN 1950 ; Aerosols suffocating, n.o.s. ; 2.2 ;

**IMDG:** UN 1950 ; Aerosols suffocating, n.o.s. ; 2.2 ;

Classification code: 5A Label ADR: 2.2 Hazard identification number:

Flash point: °C Label IMDG: 2.2 IMDG EmS.: F-D, S-U

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### 15. Regulatory information

#### Hazard designation:

#### Contains

Contains 35 w/w% inflammable components.

#### S-phrases

Keep away from sources of ignition - No smoking. (S16)

Do not breathe vapour/spray (S23-DA)

Use only in well ventilated areas. (S51)

#### Other labelling

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture or burn, even after use. Do not spray on a naked flame or any incandescent material.

#### Chemical safety assessment

Chemical safety assessment has not been performed.

### 16. Other information

#### Training requirement

No special training is required, but a thorough knowledge of this data safety sheet should be a prerequisite condition.

#### Packaging

Spray can.

#### Sources used

#### Other information

The product should only be used for the stated application or applications.

The information in this MSDS are based on our present state of knowledge and on current EEC and national laws. The users own working conditions are beyond our knowledge and control. The information in this MSDS are meant as a description of the safety requirements of our product: it may not be considered as a guarantee of the products' properties.

#### Full text of the R-phrases that are stated in section 3.

R11 Highly flammable.

R12 Extremely flammable.

R34 Causes burns.

R36 Irritating to eyes.

R50 Very toxic to aquatic organisms.

R67 Vapours may cause drowsiness and dizziness.

#### Amendments have been made in the following sections

There have been made changes section 1, 2, 3, 11, 12, 14, 15 and 16.

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