



**SAFETY DATA SHEET  
ACCORDING TO 1907/2006/EC, ARTICLE 31**

**CLEANUX GLASS CLEANER**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1: PRODUCT IDENTIFIER**

<b>Product Name</b>	Cleanux Window and Glass Cleaner Smear Free
<b>Other means of identification</b>	Window Cleaner Glass Cleaner

**1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST**

<b>Identified uses</b>	Cleaner for Window, Glass, Mirrors and Stainless Steel
------------------------	--

**1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

<b>Supplier Address</b>	Cleanux Chemicals Ltd Markays House Gordon Road Waltham Abbey EN9 1AF
<b>Web</b>	www.cleanux.co.uk
<b>Telephone</b>	020 7854 1234
<b>Fax</b>	
<b>Email</b>	info@cleanux.co.uk
<b>Email address of the competent person</b>	oxana@cleanux.co.uk

**1.4 EMERGENCY TELEPHONE NUMBER**


<b>Emergency telephone number</b>	
<b>Further information</b>	
<b>Uses advised against</b>	

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

<b>2.1.1 Classification – 1999/45/EC</b>	FLAM. LIQ. 3-H226
<b>Main Hazards</b>	FLAM. LIQ. 3-H226

## 2.2 LABEL ELEMENTS

<b>Symbols</b>	
<b>Signal word</b>	WARNING
<b>Hazard statement</b>	H226 FLAMMABLE LIQUID AND VAPOUR H319 CAUSES SERIOUS EYE IRRITATION
<b>Precautionary Statement: Prevention</b>	P102-KEEP OUT OF REACH OF CHILDREN. P210 KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING
<b>Precautionary Statement: Response</b>	P233 KEEP CONTAINER TIGHTLY CLOSED P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION P370-P378 IN CASE OF FIRE: USE FOAM, CARBON DIOXIDE, DRY POWDER OR WATER FOG TO EXTINGUISH. P403+P235 STORE IN A WELL-VENTILATED PLACE. KEEP COOL. P280 WEAR EYE PROTECTION P 15- RESTRICTED TO PROFESSIONAL USERS.

## 2.3 OTHER HAZARDS

<b>Other hazards</b>	none
----------------------	------

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	Range	EC No	CAS No	Reach No/Submission No	Classification according to 67/548/EEC
PROPAN-2-OL	10-15%	200-661-7	67-63-0	01-2119457558-25	H225; H319; H336
2-BUTOXYETHANOL	1-4%	203-905-0	111-76-2		H302; H312; H332; H315; H319

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

<b>Inhalation</b>	IF SPRAY/MIST HAS BEEN INHALED, PROCEED AS FOLLOWS. MOVE AFFECTED PERSON TO FRESH AIR AND KEEP WARM AND AT REST IN A POSITION COMFORTABLE FOR BREATHING.
-------------------	--

<b>Eye contact</b>	RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE ANY CONTACT LENSES AND OPEN EYELIDS WIDE APART. GET MEDICAL ATTENTION IF ANY DISCOMFORT CONTINUES.
<b>Skin Contact</b>	RINSE IMMEDIATELY WITH PLENTY OF WATER
<b>Ingestion</b>	DO NOT INDUCE VOMITING. DRINK 1 TO 2 GLASSES OF WATER. IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF PERSON IS CONSCIOUS)

#### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

<b>Inhalation</b>	INHALATION MAY CAUSE NAUSEA AND VOMITING.
<b>Eye contact</b>	MAY CAUSE IRRITATION TO EYES
<b>Skin Contact</b>	MAY CAUSE IRRITATION TO SKIN. MAY CAUSE DEGREASING OF THE SKIN. MAY CAUSE DERMATITIS
<b>Ingestion</b>	INGESTION MAY CAUSE NAUSEA AND VOMITING

#### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

<b>Inhalation</b>	IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW LABEL WHERE POSSIBLE) REMOVE THE EFFECTED PERSON FROM THE SOURCE OF CONTAMINATION IMMEDIATELY.
<b>Eye contact</b>	IRRITATING TO EYES. BATHE THE EYE WITH RUNNING WATER FOR 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.
<b>Skin Contact</b>	IRRITATING TO SKIN. RINSE IMMEDIATELY WITH PLENTY OF WATER.
<b>Ingestion</b>	INGESTION MAY CAUSE NAUSEA AND VOMITING, RINSE MOUTH THOROUGHLY. DRINK 1 TO 2 GLASSES OF WATER

#### GENERAL INFORMATION

	AVOID CONTACT WITH EYES.
--	--------------------------

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 EXTINGUISHING MEDIA

	WATER SPRAY
--	-------------

#### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

	CARBON DIOXIDE (CO <sub>2</sub> )
--	-----------------------------------

#### 5.3 ADVICE FOR FIREFIGHTERS

	SELF-CONTAINED BREATHING APPARATUS. KEEP CONTAINERS COOL BY SPRAYING WITH WATER TO REDUCE EXPLOSIVE RISK.
--	---

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

	NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGES. AVOID CONTACT WITH EYES.
--	--

#### 6.2 ENVIRONMENTAL PRECAUTIONS

	ADVISE LOCAL AUTHORITIES IF LARGE SPILLS CANNOT BE CONTAINED.
--	---

#### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

	ABSORB WITH INERT, ABSORBENT MATERIAL.
--	--

#### 6.4 REFERENCE TO OTHER SECTIONS

	FOR PERSONAL PROTECTION, SEE SECTION 8, FOR WASTE DISPOSAL SEE SECTION 13.
--	--

## FURTHER INFORMATION

### SECTION 7: HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

ELIMINATE ALL SOURCES OF IGNITION. ADOPT BEST MANUAL HANDLING CONSIDERATIONS WHEN HANDLING, CARRYING AND DISPENSING. AVOID CONTACT WITH EYES AND SKIN. KEEP ONLY IN THE ORIGINAL CONTAINER. KEEP OUT OF REACH OF CHILDREN.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. DO NOT MIX WITH ANY OTHER PRODUCTS. KEEP ONLY IN THE ORIGINAL CONTAINER.

#### 7.3 SPECIFIC END USE(S)

CLEANER FOR WINDOW, GLASS, MIRRORS AND STAINLESS STEEL

#### SUITABLE PACKAGING

PLASTIC CONTAINERS, MILD STEEL CONTAINERS, STAINLESS STEEL CONTAINERS.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS

NO DATA IS AVAILABLE ON THIS PRODUCT

##### 8.1.1 EXPOSURE LIMIT VALUES

#### Propan-2-ol

LONG-TERM EXPOSURE LIMIT (8-HOUR TWA): WEL 400PPM 999MG/M3

SHORT-TERM EXPOSURE LIMIT (15-MINUTE): WEL 500PPM 1250 MG/M3

#### 2-Butoxyethanol

LONG-TERM EXPOSURE LIMIT (8-HOUR TWA): WEL 25PPM 123MG/M3

SHORT-TERM EXPOSURE LIMIT (15-MINUTE): WEL 50PPM 246 MG/M3

#### 8.2 EXPOSURE CONTROLS



##### 8.2.1 Appropriate engineering controls

THIS PRODUCT MUST NOT BE HANDLED IN A CONFINED SPACE WITHOUT ADEQUATE VENTILATION.

##### 8.2.2 Individual protection measures

ADOPT BEST MANUAL HANDLING CONSIDERATIONS WHEN HANDLING, CARRYING AND DISPENSING. USE APPROPRIATE CLOTHING.

##### Eye/face protection

AVOID CONTACT WITH EYES, IF RISK ASSESSMENT INDICATES EYE CONTACT POSSIBLE WEAR APPROVED EYE WEAR.

##### Skin protection

NOT NORMALLY REQUIRED

<b>Hand protection</b>	NOT NORMALLY REQUIRED
<b>Skin protection – other</b>	NOT NORMALLY REQUIRED
<b>Respiratory protection</b>	NOT NORMALLY REQUIRED
<b>Thermal hazards</b>	NO DATA IS AVAILABLE ON THIS PRODUCT
<b>8.2.3 Environmental exposure controls</b>	NOT NORMALLY REQUIRED
<b>Occupational exposure controls</b>	NOT NORMALLY REQUIRED. USE AS APPROPRIATE.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>State</b>	LIQUID
<b>Colour</b>	BLUE
<b>Odour</b>	LEMON
<b>pH</b>	7.00
<b>Melting point</b>	-6
<b>Freezing point</b>	-10
<b>Boiling point</b>	85C
<b>Flash point</b>	35C
<b>Evaporation rate</b>	NOT APPLICABLE
<b>Flammability limits</b>	NOT APPLICABLE
<b>Vapour flammability</b>	NOT APPLICABLE
<b>Vapour pressure</b>	NOT APPLICABLE
<b>Vapour density</b>	NOT APPLICABLE
<b>Relative density</b>	.975
<b>Fat solubility</b>	NOT APPLICABLE
<b>Partition coefficient</b>	NOT APPLICABLE
<b>Autoignition temperature</b>	NOT RELEVANT
<b>Explosive</b>	NOT APPLICABLE
<b>Oxidising</b>	NOT APPLICABLE
<b>Solubility</b>	NOT APPLICABLE

### 9.2 OTHER INFORMATION

<b>Conductivity</b>	NOT APPLICABLE
<b>Surface tension</b>	NOT APPLICABLE
<b>Gas group</b>	NOT APPLICABLE
<b>Benzene content</b>	NOT APPLICABLE
<b>Lead content</b>	NOT APPLICABLE
<b>VOC (volatile organic compounds)</b>	NOT APPLICABLE

## SECTION 10: STABILITY AND REACTIVITY

## 10.1 REACTIVITY

NO SPECIFIC HAZARD ASSOCIATED WITH THIS PRODUCT

## 10.2 CHEMICAL STABILITY

DO NOT ALLOW TO FREEZE. STABLE UNDER NORMAL CONDITIONS

## 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

SEE SECTION 10.1, 10.4, 10.5

## 10.4 CONDITIONS TO AVOID

AVOID HEAT, FLAMES AND OTHER SOURCES OF IGNITION.

## 10.5 INCOMPATIBLE MATERIALS

NONE

## 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

CARBON DIOXIDE (CO<sub>2</sub>)

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

#### Acute toxicity

DERMAL LD50; ORAL LD50

#### Skin corrosion/irritation

MAY CAUSE IRRITATION TO SKIN

#### Serious eye damage/irritation

MAY CAUSE IRRITATION TO EYES.

#### Respiratory or skin sensitisation

MAY CAUSE SENSITISATION BY INHALATION AND SKIN CONTACT.

#### Germ cell mutagenicity

NO DATA IS AVAILABLE ON THIS PRODUCT.

#### Carcinogenicity

NO DATA IS AVAILABLE ON THIS PRODUCT.

#### Reproductive toxicity

NO DATA IS AVAILABLE ON THIS PRODUCT.

#### STOT-single exposure

NO DATA IS AVAILABLE ON THIS PRODUCT.

#### STOT-repeated exposure

NO DATA IS AVAILABLE ON THIS PRODUCT.

#### 11.1.4 Toxicological Information

NO DATA AVAILABLE

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 TOXICITY

NO DATA AVAILABLE

### 12.2 PERSISTENCE AND DEGRADABILITY

THE SURFACTANT(S) CONTAINED IN THIS PRODUCT COMPLIES (COMPLY) WITH THE BIODEGRADABILITY CRITERIA AS LAID DOWN IN REGULATION (EC) No. 648/2004 ON DETERGENTS. DATA TO SUPPORT THIS ASSERTION ARE HELD AT THE DISPOSAL OF THE COMPETENT AUTHORITIES OF THE MEMBER STATES AND WILL BE MADE AVAILABLE TO THEM AT THEIR DIRECT REQUEST.

### 12.3 BIOACCUMULATIVE POTENTIAL

DOES NOT BIOACCUMULATE

**12.4 MOBILITY IN SOIL**

	NOT KNOWN
--	-----------

**12.5 RESULTS OF PBT AND VPVB ASSESSMENT**

	THIS PRODUCT DOES NOT CONTAIN ANY SUBSTANCES CLASSIFIED AS PBT OR VPVB
--	--

**12.6 OTHER ADVERSE EFFECTS**

	NO DATA IS AVAILABLE ON THIS PRODUCT.
--	---------------------------------------

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 WASTE TREATMENT METHODS**

	DISCHARGE USED SOLUTIONS TO DRAIN. SMALL AMOUNTS (LESS THAN 5 LITRES) OF UNWANTED PRODUCT MAY BE FLUSHED WITH WATER TO SEWER. LARGE VOLUMES MUST BE SENT FOR DISPOSAL AS SPECIAL WASTE. RINSE OUT EMPTY CONTAINER WITH WATER AND CONSIGN TO NORMAL WASTE.
--	---

**GENERAL INFORMATION**

	THIS PRODUCT IS CONSIDERED AS NON-HAZARDOUS
--	---

**DISPOSAL METHODS**

	LOCAL AND NATIONAL REGULATIONS. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.
--	--

**DISPOSAL OF PACKAGING**

	EMPTY CONTAINERS CAN BE CLEANED WITH WATER. EMPTY CONTAINERS CAN BE SENT FOR DISPOSAL OR RECYCLING.
--	---

**SECTION 14: TRANSPORT INFORMATION**

	PACKED IN NO MORE THAN 5 LITRE THIS PRODUCT IS CLASSIFIED AS LIMITED QUANTITY FOR TRANSPORT.
--	--

**14.1**


<b>ADR/RID</b>	1987
<b>IMDG</b>	1987
<b>IATA</b>	1987

**14.2 UN PROPER SHIPPING NAME**

<b>ADR/RID</b>	ALCOHOLS, N.O.S. (ISOPROPANOL)
<b>IMDG</b>	ALCOHOLS, N.O.S. (ISOPROPANOL)
<b>IATA</b>	ALCOHOLS, N.O.S. (ISOPROPANOL)

**14.3 TRANSPORT HAZARD CLASS(ES)**

<b>ADR/RID</b>	CLASS 3: FLAMMABLE LIQUIDS
<b>ADR/RID label</b>	3
<b>IMDG class</b>	CLASS 3: FLAMMABLE LIQUIDS
<b>Transport label</b>	

	
--	---

#### 14.4 PACKAGING GROUP

	111
--	-----

#### 14.5 ENVIRONMENTAL HAZARDS

	No
--	----

#### 14.6 SPECIAL PRECAUTIONS FOR USER

--	--

### SECTION 15: REGULATORY INFORMATION

#### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

<b>Regulations</b>	<p>COMMISSION REGULATION (EU) No 453/2010 OF 20 MAY 2010 AMENDING REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL ON THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVE 91/155/EEC, 93/67/EEC, 93/105/EEC AND 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 DECEMBER 2006 CONCERNING THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVES 91/155/EEC, 93/67/EEC AND 2000/21/EC</p>
--------------------	--

#### 15.2 CHEMICAL SAFETY ASSESSMENT

	NO DATA IS AVAILABLE ON THIS PRODUCT
--	--------------------------------------

### SECTION 16: OTHER INFORMATION

#### OTHER INFORMATION

<b>Text of risk phrases in Section 3</b>	<p>H225 HIGHLY FLAMMABLE LIQUID VAPOUR  H302 HARMFUL IF SWALLOWED  H312 HARMFUL IN CONTACT WITH SKIN  H315 CAUSES SKIN IRRITATION  H319 CAUSES SERIOUS EYE IRRITATION  H332 HARMFUL IF INHALED  H336 MAY CAUSE DROWSINESS OR DIZZINESS</p>
--	--

#### GENERAL INFORMATION



	THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE. THIS INFORMATION IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AT THE DATE OF PUBLICATION HOWEVER NO GUARANTEE IS MADE TO ITS ACCURACY.
--	---

**FURTHER INFORMATION**

	The information contained in this data sheet is, to the best of our knowledge and belief, accurate and is based upon our technical knowledge of the product and the date of issue. No warranty or representation, express or implied, is made as to its accuracy, reliability or completeness.
--	--

	CLEANUX CHEMICALS LTD WILL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY RESULTING FROM ANY INHERENT HAZARD OF THE MATERIAL, THE ABNORMAL USE OF THE MATERIAL OR FROM FAILURE TO ADHERE TO RECOMMENDATION.
--	--