

## MATERIAL SAFETY DATA SHEET

### SAFEPAD CLEANING CLOTHS

#### 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	SAFEPAD CLEANING CLOTHS		
<b>PRODUCT NO.</b>	ASPA010/100		
<b>PRODUCT USE</b>	Cleaning Product		
<b>SUPPLIER</b>	<b>MANUFACTURER</b>	AF INTERNATIONAL. A division of HK WENTWORTH LTD	
	7101 South Adams Street	KINGSBURY PARK.	
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		info@hkw.co.uk	
<b>EMERGENCY TELEPHONE</b>	(415) 895 1316 Monday to Friday between 8.30 a.m. and 5 p.m.		
<b>IDENTIFICATION No.</b>	3175		

#### 2 HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

HIGHLY FLAMMABLE! Irritating to eyes. Vapors may cause drowsiness and dizziness. Keep away from sources of ignition - No smoking. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Use only in well-ventilated areas. This material and its container must be disposed of as hazardous waste. Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. Keep out of the reach of children

##### POTENTIAL HEALTH EFFECTS

###### INHALATION

May cause irritation to the respiratory system.

###### INGESTION

May cause stomach pain or vomiting.

###### SKIN CONTACT

Prolonged contact may cause dryness of the skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

###### EYE CONTACT

Irritating to eyes.

###### ROUTE OF ENTRY

Skin absorption. Ingestion. Skin and/or eye contact.

###### TARGET ORGANS

Central nervous system. Eyes. Respiratory system, lungs. Skin.

###### MEDICAL SYMPTOMS

Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. Skin irritation. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
PROPAN-2-OL	200-661-7	67-63-0	30-60%

#### 4 FIRST-AID MEASURES

## SAFEPAD CLEANING CLOTHS

**NOTES TO THE PHYSICIAN**

Treat symptomatically

**INHALATION**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**INGESTION**

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention.

**SKIN CONTACT**

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

**EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**5 FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

Use: Alcohol resistant foam. Powder. Dry chemicals, sand, dolomite etc.

**AUTO IGNITION TEMPERATURE** 425 (797 F)  
 (°C)

**FLAMMABILITY LIMIT - LOWER(%)** 2.3

**FLAMMABILITY LIMIT - UPPER(%)** 12

**FLASH POINT (°C)** 12 (53.6 F) CC (Closed cup).

**6 ACCIDENTAL RELEASE MEASURES**

**SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers.

**7 HANDLING AND STORAGE**

**HANDLING**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

**STORAGE**

Flammable/combustible - Keep away from oxidizers, heat and flames. Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
PROPAN-2-OL	ACGIH	200 ppm		400 ppm		A4
PROPAN-2-OL	PEL	400 ppm	980 mg/m3			
COMPONENT						IDLH
PROPAN-2-OL						2000

ACGIH = American Conference of Governmental Industrial Hygienists.  
 PEL = Permissible Exposure Limit (Occupational and Safety Health Administration)  
 A4 = Not Classified as a Human Carcinogen

**PROTECTIVE EQUIPMENT**



**ENGINEERING MEASURES**

All handling to take place in well-ventilated area.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit

## SAFEPAD CLEANING CLOTHS

### HAND PROTECTION

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Impregnated cloth, card or tissue		
<b>COLOR</b>	Colorless		
<b>SOLUBILITY</b>	Miscible with water.		
<b>BOILING POINT (°C)</b>	82 (179.6 F)	<b>MELTING POINT (°C)</b>	-89 (-128.2 F)
<b>RELATIVE DENSITY</b>	0.780 @ 20 °c (68 F)	<b>VAPOR DENSITY (air=1)</b>	2.8
<b>VAPOR PRESSURE</b>	4.16 kPa @ 20 °c (68 F)	<b>EVAPORATION RATE</b>	2.93
<b>VISCOSITY</b>	3.06 cSt @ 20 °c (68 F)	<b>FLASH POINT (°C)</b>	12 (53.6 F) CC (Closed cup).

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### MATERIALS TO AVOID

Strong oxidising substances.

## 11 TOXICOLOGICAL INFORMATION

<b>Name</b>	PROPAN-2-OL
<b>Toxic Dose 1 - LD 50</b>	5045 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	3600 mg/kg (oral-mouse)
<b>Toxic Conc. - LC 50</b>	47-73 mg/l/4h (inh-rat)

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment.

<b>Name</b>	PROPAN-2-OL
<b>LC 50, 96 hrs, Fish mg/l</b>	9600
<b>EC 50, 48 hrs, Daphnia, mg/l</b>	10000

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand, dispose in licensed hazardous waste.

## 14 TRANSPORT INFORMATION



<b>DOT PROPER SHIPPING NAME</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
<b>ROAD TRANSPORT NOTES</b>	Exempt from the regulations through Special Provision 216

**SAFEPAD CLEANING CLOTHS**

<b>SEA TRANSPORT NOTES</b>	Exempt from regulations through Special Provision 216		
<b>AIR TRANSPORT NOTES</b>	Exempt from regulation through Special Provision A46		
<b>TDG SHIPPING NAME</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.		
<b>IDENTIFICATION No.</b>	3175	<b>TUNNEL RESTRICTION CODE</b>	(E)
<b>CEPIC TEC(R) NO.</b>	41GF1-II+III	<b>DOT HAZARD CLASS</b>	4.1
<b>DOT PACKING GROUP</b>	II	<b>U.S DOT HAZARD LABEL</b>	Flammable Solid
<b>UN NO. SEA</b>	3175	<b>IMDG CLASS</b>	4.1
<b>IMDG PAGE NO.</b>	4.1	<b>IMDG PACK GR.</b>	II
<b>EMS</b>	F-A, S-I	<b>MFAG</b>	See Guide
<b>MARINE POLLUTANT</b>	No.	<b>UN NO. AIR</b>	3175
<b>AIR CLASS</b>	4.1	<b>AIR PACK GR.</b>	II
<b>TDG CLASS</b>	4.1	<b>TDG LABEL(S)</b>	4.1
<b>DOT PACKING GROUP</b>	II		

**15 REGULATORY INFORMATION**

**INVENTORIES**

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
PROPAN-2-OL	DSL	Yes	EINECS	Yes				

COMPONENT	TSCA 12(b) Export Notification
PROPAN-2-OL	No

**US FEDERAL REGULATIONS**

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
PROPAN-2-OL		Not Listed	1.0 %

**CLEAN AIR ACT**

COMPONENT	CAA Accidental Release Prevention
PROPAN-2-OL	Not Listed

**US STATE REGULATIONS**

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
PROPAN-2-OL	67-63-0	Not Listed	Yes	Yes	Yes	Yes	Yes	Yes

**REGULATORY STATUS (US)**

SECTION 313: This product contains toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. TSCA: The ingredients of this product are on the TSCA Inventory.

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM -WHMIS**

**LABEL(S) FOR SUPPLY**



Flammable  
Liquid.

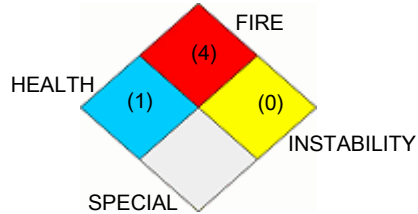
**16 OTHER INFORMATION**

**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

### SAFEPAD CLEANING CLOTHS

HEALTH	1
FLAMMABILITY	4
PHYSICAL	0
PERSONAL PROTECTION	B

#### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



#### ISSUED BY

Pawel Zmarzly

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#### SDS NO.

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