


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

- 1.1 PRODUCT IDENTIFIER** Product Number: 566  
 Product Name: AD-F20 Heavy Duty Floor Stripper
- 1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST**  
 Product intended for commercial and industrial use only.  
 Intended Use: Floor finish remover concentrate Uses  
 Advised Against: Other than per labelled instructions.
- 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**  
**Supplier:**  
 Advance Hygiene / Maraci Alsharq  
 King Abdulaziz Street - Al Ghadeer  
 Riyadh 3533  
 Kingdom of Saudi Arabia  
 Telephone: +966 11 472 0013  
 +966 11 472 3966
- 1.4 EMERGENCY TELEPHONE NUMBER**  
**For Chemical Emergency:** Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night  
 Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect call)

## SECTION 2: HAZARDS IDENTIFICATION

- 2.1 CLASSIFICATION OF THE MIXTURE**  
 This mixture has been classified according to EC 1272/2008.  
 Skin Corrosion - Category 1B  
 Eye Damage - Category 1  
 Specific Target Organ Toxicity (Single Exposure) - Category 3
- 2.2 LABEL ELEMENTS**
- Signal Word: Danger
- Hazard pictogram(s): 
- Hazard Statement(s):  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H335 May cause respiratory irritation.
- Precautionary Statement(s):  
 P260 Do not breathe mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection.  
 P310 Immediately call a POISON CENTER/doctor if you feel unwell.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- 2.3 OTHER HAZARDS** No other hazards are known to the supplier

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1/3.2 SUBSTANCES/MIXTURES

Ingredient	EC No.	Weight %	CAS No.	CLP Classification	
				Hazard Class	Hazard Statement(s)*
ethylene glycol monobutyl ether	203-905-0	10 - 30	111-76-2	Acute Tox 4 Eye Irrit 2 Skin Irrit 2	H302, H312, H332 H319 H315
ethanolamine	205-483-3	5 - 10	141-43-5	Acute Tox 4 Skin Corr 1B STOT SE 3	H302, H312, H332 H314 H335

\*See section 16 for the full text of R phrases and Hazard Statements

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

- Eye Contact:** Immediately wash out with water for at least 15 minutes. (If easy to do, remove contact lenses, if worn.) Seek medical attention immediately.
- Skin Contact:** Immediately wash with plenty of water for at least 15 minutes. (Remove any contaminated clothing and shoes.) Seek medical attention immediately.
- Inhalation:** If breathing is difficult: Remove to fresh air. Seek medical attention immediately.
- Ingestion:** Call a physician or poison control center immediately. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

- Eye Contact:** Causes serious eye damage. May cause permanent damage.
- Skin Contact:** Causes skin burns. May cause permanent damage.
- Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract.
- Ingestion:** May cause burns to mouth, throat and stomach.

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

No information available.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

In case of fire: use dry chemical, water spray, foam, carbon dioxide

### 5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Hazardous combustion products: CO, CO<sub>2</sub>

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include but not limited to the above mentioned substances.

### 5.3 ADVICE FOR FIRE FIGHTERS

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection. Fire-fighters should wear clothing conforming to EN469 for chemical incidents. Materials can splatter above 100°C/212°F. Corrosive material.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Refer to Section 8 for appropriate personal protective equipment.

#### ENVIRONMENTAL PRECAUTIONS

Keep spills and cleaning runoff out of sewers and open bodies of water.

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

Small spills: Absorb spill on inert material (e.g. sand, earth) and dispose of as waste material in accordance with national and regional provisions.

Large spills: Keep spectators away. Floors may be slippery; use care to avoid falling. Neutralize spill area. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

## SECTION 7: HANDLING AND STORAGE

7.4 REFERENCE TO OTHER SECTIONS: Refer to Section 8 of the SDS.

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapours or spray mists. Remove and wash contaminated clothing and footwear before re-use.

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

Storage temperature (Max. 60°C/140°F) (Min. 1°C/34°F). Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

7.3 SPECIFIC END USE(S): No information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

Workplace Exposure Limits:

Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
ethylene glycol monobutyl ether	ACGIH TLV	20	97	-	-	BEI
	DE (TRGS 900)	-	-	10	49	H,Y, AGS
	DK - At-Vejledning Stoffer og materialier- C.0.1	20	98	-	-	EH
	EU (2000/39/EC)	20	98	50	246	Skin
	NO – Forskrift, best.nr. 704	-	-	10	50	H
	EH40	25	123	50	246	Sk, BMGV
Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
ethanolamine	ACGIH TLV	3	7.5	6	15	-
	DE (TRGS 900)	-	-	2	5.1	H,Y,Sh
	DK - At-Vejledning Stoffer og materialier- C.0.1	1	2.5	-	-	H
	EU (2006/15/EC)	1	2.5	3	7.6	Skin
	NO Administrative Norm	1	2.5	-	-	H
	EH40	1	2.5	3	7.6	Skin

### 8.2 EXPOSURE CONTROLS

Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Environmental exposure controls: No specific environmental exposure controls known.

Safety eyewear is recommended to avoid chemical splashes and mists. Safety glasses or goggles (EN166).

Hand Protection: Chemical resistant gloves are recommended. (EN374).  
Protective index 6, Breakthrough time > 480 mins. (E.g. - nitrile gloves, 0.4 mm thickness)  
Protective gloves should be selected according to the application and duration of use.  
Workplace selection should take into consideration handling requirements, physical requirements and exposure to other substances.

Skin Protection: If major exposure is possible, wear suitable protection such as rubber boots, apron, etc.

Respiratory Protection: Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator with multipurpose combination filter. (E.g. - EN 14387- ABEK)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear, red, liquid	
Odor:	slight lemon	
Odor Threshold:	No test data available	
pH:	12.6 (as supplied)	[Method: ASTM E 70]
Melting Point/Freezing Point:	No test data available	
Initial boiling point/boiling range:	No test data available	
Flash Point:	> 93°C	[Method: Closed cup, ASTM D 56]
Evaporation Rate:	No test data available	
Flammability (solid, gas)	Not applicable to liquids	
Upper/lower flammability/explosive limits:	No test data available	
Vapor Pressure:	No test data available	
Vapor Density:	No test data available	
Relative Density:	1.0 kg/L @ 20°C	[Method: Pycnometer, ASTM D 1475]
Solubility:	miscible in water	
Partition Coefficient (n-octanol/water):	No test data available	
Auto Ignition temperature:	No test data available	
Decomposition Temperature:	No test data available	
Viscosity:	< 5 centipoise @ 20°C	[Method: Rotational viscometer, Brookfield]
Explosive Properties:	none	
Oxidizing properties:	none	

### 9.2 OTHER INFORMATION

VOC: 33%(as supplied),  
6.5%( 1:4), 3.6%(1:8), 2.9%(1:10)

## SECTION 10: STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** None known
- 10.2 CHEMICAL STABILITY:** Stable under normal conditions.
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** Product may react strongly with water. Care should be used if diluting; product should be slowly added to water.
- 10.4 CONDITIONS TO AVOID:** None known
- 10.5 INCOMPATIBLE MATERIALS:** Strong acids, bases and oxidizing agents. Do not mix with other chemicals unless stated on the product label.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** None known

## SECTION 11: TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

Toxicity testing has not been completed on the mixture.  
met.

Based on available data, the classification criteria are not

Component	CAS #	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation- (mg/l) rat
ethylene glycol monobutyl ether	111-76-2	1300	2000	guinea pig (1hr), >3.1
ethanolamine	141-43-5	1515	2504	(4hr), >1.3

ATE<sub>mix</sub> (oral): > 2000 mg/kg  
 ATE<sub>mix</sub> (dermal): > 2000 mg/kg  
 ATE<sub>mix</sub> (inhalation): > 20 mg/l (4 hr/vapour)

**12.1 TOXICITY:** Ecological testing has not been completed on the mixture.

Component	CAS #	LC50	LC50	EC50 - 72 hr
ethylene glycol monobutyl ether	111-76-2	vertebrate, 820-1490 mg/ml	Daphnia magna, 835 mg/l	algae, 911 mg/l
ethanolamine	141-43-5	vertebrate, 125-2010 mg/ml	Daphnia magna, 33-93 mg/l	algae, 2.5 mg/l

**12.2 PERSISTENCE AND DEGRADABILITY:** Testing has not been completed on the mixture.

Component	CAS #	Biodegradation
ethylene glycol monobutyl ether	111-76-2	readily biodegradable
ethanolamine	141-43-5	readily biodegradable

**12.3 BIOACCUMULATIVE POTENTIAL:** Testing has not been completed on the mixture.

Component	CAS #	Partition coefficient n-octanol/water (Log Kow)	Bioconcentration factor (BCF)
ethylene glycol monobutyl ether	111-76-2	0.81	< 100
ethanolamine	141-43-5	-1.91	< 100

**12.4 MOBILITY IN SOIL:** Testing has not been completed on the mixture.

Component	CAS #	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
ethylene glycol monobutyl ether	111-76-2	67
ethanolamine	141-43-5	1.17

<b>SKIN CORROSION/IRRITATION:</b>	Causes severe skin burns. Classified as Skin Corrosive - Category 1B
<b>SERIOUS EYE DAMAGE/IRRITATION:</b>	Causes serious eye damage. Classified as Eye Damage - Category 1
<b>RESPIRATORY OR SKIN SENSITIZATION:</b>	Based on available data, the classification criteria are not met.
<b>GERM CELL MUTAGENICITY:</b>	Based on available data, the classification criteria are not met.
<b>CARCINOGENICITY:</b>	Based on available data, the classification criteria are not met.
<b>REPRODUCTIVE TOXICITY:</b>	Based on available data, the classification criteria are not met.
<b>STOT-SINGLE EXPOSURE:</b>	Classified as STOT-SE - Category 3 May cause respiratory irritation.
<b>STOT-REPEATED EXPSURE:</b>	Based on available data, the classification criteria are not met.
<b>ASPIRATION HAZARD:</b>	Based on available data, the classification criteria are not met.
<b>11.2 POTENTIAL ADVERSE HEALTH EFFECTS</b>	Effects and symptoms related to this mixture, if any, are listed in Section 4.2.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.5 RESULTS OF PBT AND vPvB ASSESSMENT:</b>	Not applicable
<b>12.6 OTHER ADVERSE EFFECTS:</b>	No data available
<b>12.7 ADDITIONAL INFORMATION:</b>	Based on available data, the classification criteria are not met.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

Disposal of this material should be in accordance with local, regional and national regulations. EU  
Waste Catalogue: 20 01 15\* - alkalines

## SECTION 14: TRANSPORT INFORMATION

<b>14.1 UN NUMBER:</b>	UN1760
<b>14.2 UN PROPER SHIPPING NAME:</b>	Corrosive liquid, n.o.s. (ethanolamine)
<b>14.3 TRANSPORT HAZARD CLASSES:</b>	8
<b>14.4 PACKING GROUP:</b>	III
<b>14.5 ENVIRONMENTAL HAZARDS:</b>	N/A
<b>14.6 SPECIAL PRECAUTIONS FOR USER:</b>	Package volumes < 5 L are shipped as Limited Quantity; as permitted by hazard class and quantity limits.
<b>IMDG</b>	
Emergency Schedules (EmS):	Fire F-A, Spillage S-B
Stowage and Segregation:	Category A. Clear of living quarters.
Marine Pollutant:	None
Item Number:	80
Classification Code	C9
<b>14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MAPROL73/78 AND THE IBC CODE:</b>	

## 15.1

EINECS STATUS:

NATIONAL REGULATIONS:

## 15.2 CHEMICAL SAFETY ASSESSMENT:

**REVISION INFORMATION:** 20-Mar-2019 - SDS issue

### ABBREVIATIONS:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

### FULL TEXT OF HAZARD STATEMENTS:

Harmful if swallowed.

Harmful in contact with skin.

Causes severe skin burns and eye damage.

Causes skin irritation.

Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

### FULL TEXT OF PRECAUTIONARY STATEMENTS:

P264 Wash thoroughly after handling.

### ADR/RID

Class: 8

N/A

## SECTION 15: REGULATORY INFORMATION

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

Ingredients are included in the EINECS/ELINCS/NLP inventories.

No additional national regulations are known to the supplier.

No information available.

## SECTION 16: OTHER INFORMATION

H302

H312

H314

H315

H319

# MATERIAL SAFETY DATA SHEET



- P271 Use only outdoors or in a well-ventilated area.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P321 Specific treatment (see ... on this label).
- P337+313 If eye irritation persists: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P403+233 Store in well ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**ISSUED BY:**

Chemical/R&D Department  
Amano Pioneer Eclipse Corporation