

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY.**Product name:** Adawall bitumen, Tar Oil and Grease Remover**Intended use:** BITUMEN, TAR, OIL & GREASE REMOVER**Supplier:** 2HK Solutions Ltd**Address:** Unit 6 Henfield Business Estate
Westerleigh Road
Bristol BS36 2UP**Telephone:** 0845 2238801**Fax:** 0845 2238802**2. COMPOSITION/INFORMATION ON INGREDIENTS.**

A blend of biodegradable non-ionic surfactants with naturally occurring terpenes in an aliphatic hydrocarbon solvent.

HAZARDOUS INGREDIENTS	CAS No.	EINECS No.	% INCL	CLASS ⁿ
Orange Terpenes	8028-48-6	232-433-8	10-20	Xn, R65 Xi, R38, R10, R52/53
Petroleum Distillates	64742-47-8	265-149-8	70-80	Xn, R65
Fattyalcohol Ethoxylated	68439-45-2	Not Found	1-5	Xn, R22-36
Fattyalcohol Ethoxylated	68131-39-5	Not Found	1-5	Xi, R36/38

3. HAZARDS IDENTIFICATION**Skin:** Risk of defatting and subsequent irritation after repeated or prolonged contact.**Eyes:** will cause irritation and pain on repeated or prolonged contact.**Ingestion:** Low acute toxicity. Aspiration into lungs upon ingestion or vomiting may cause bronchial or pulmonary problems.**Inhalation:** Gross inhalation of vapours, as in the case of solvent abuse, may cause dizziness and narcotic effects. Continued abuse may result in coma.**4. FIRST AID MEASURES****General:** When medical attention is sought, show this document.

Skin: Remove and launder contaminated clothing. Wash off skin thoroughly with water, dry and apply emollient lotion if required. Avoid or minimise further skin contact should any irritation develop.

Eyes: Irrigate thoroughly with water for at least ten minutes whilst holding eyelids open. Obtain medical attention should any irritation, discomfort or redness persist.

Ingestion: Never induce vomiting or give anything by mouth to an unconscious person. Wash out mouth thoroughly with water and give water to drink. Do not induce vomiting. Obtain medical attention.

Inhalation: Remove subject to fresh air, rest and keep warm. Obtain medical attention if symptoms persist or exposure has been great.

5. FIRE-FIGHTING MEASURES.

Suitable extinguishing media: Foam, carbon dioxide, dry powder or water spray.

Unsuitable extinguishing media: Water jet.

Required special protective equipment for fire fighters: Self contained breathing apparatus.

Special exposure hazards in fire: May produce a variety of acrid gases including carbon monoxide, carbon dioxide, smoke and products of incomplete combustion.

6. ACCIDENTAL RELEASE MEASURES.

Exclude non-essential personnel from area. Wear suitable protective clothing. No eating or smoking. Extinguishing all sources of ignition and isolate any electrical devices involved. Contain and absorb spillage using sand, earth or other inert absorbent material. Place resulting mixture in suitable containers (plastics or metal) and seal. Wash area of spillage with water ensuring a clean, non-slip surface remains. If material enters water courses in large amounts inform the appropriate water authority and furnish them with a copy of this document.

7. HANDLING AND STORAGE.

Handling: Exposure by inhalation or skin contact should be minimised by good industrial hygiene practice. Wear appropriate protective clothing. No eating or smoking.

Storage: Store in a cool, dry, well ventilated area away from incompatible materials, particularly oxidising agents and away from naked flames, incandescent devices and other sources of ignition. Protect from direct sunlight and frost. Keep in original or dedicated containers and reseal them when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Chemical resistant gloves and overalls should be worn during prolonged handling operations. Wear full face shield or goggles if contact with eyes is a risk. Provide local exhaust ventilation if handling in enclosed or badly ventilated areas.

Ingredient Name	%wt/wt	Long term exposure limit (8-hour TWA)		Short term exposure limit (15 minute)	
		ppm	mg/m ³	ppm	mg/m ³
Petroleum Distillates (recommended)	<80	-	1000	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical Form: 0.7 mbar	Liquid	Vapour Pressure:
Colour: 5.4	Clear	Vapour Density (air = 1):
Odour: Ac = 1): 0.02	Citrus	Evaporation Rate (n-but
Boiling Point (°C): <7 x 10 ⁻⁵	200-260	Viscosity (m²/sec @ 40°C):
Melting Point (°C): 0.82	<0	Specific Gravity (@20°):
Flash Point (°C): N/A	N/A	Bulk Density(KG/LT):
Flammability: Emulsifiable in water	Combustible	Solubility:
Autoflammability: N/A	>220	pH, neat:
Oxidising Properties: Essentially neutral	None	pH (0.5% aqueous):
Explosive Properties octanol/water: Not Determined	LEL: 0.9	Partition Coefficient n
UEL: 8.0		Volatility (%wt):
85		

10. STABILITY AND REACTIVITY.

General: Stable product when handled and stored as directed. Combustible liquid. Will burn if ignited. Will support and enhance combustion of other materials.

Materials to avoid: Oxidising agents, reducing agents and acids.

Conditions to avoid: Direct sources of heat and prolonged exposure to sunlight.

Hazardous decomposition products: None unless involved in a fire.

11. TOXICOLOGICAL INFORMATION.

Low systemic toxicity. Ingestion of appreciable quantities may cause nausea, vomiting and diarrhoea. Deliberate inhalation, as in the case of solvent abuse, may produce narcotic effects and other symptoms of central nervous system depression.

12. ECOLOGICAL INFORMATION.

Mobility: Emulsifiable in water.

Degradability: Inherently biodegradable according to OECD guidelines.

Accumulation: Will not accumulate in any compartments.

Ecotoxicity: Significant discharges may prove harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS.

Transfer waste and spillage mixtures to suitable containers. Close the containers and vent if necessary.

Waste Type: Special

Waste Code: 070604

Description: Other organic solvents, washing liquids and mother liquors.

Hazardous properties: H5

Dispose of via authorised waste management company ensuring compliance with local and national regulations. Furnish the waste management company with a copy of this document. Suitable methods of disposal are recycling or controlled incineration. Do not dump indiscriminately. Essentially empty packaging should be treated as special waste.

14. TRANSPORT INFORMATION.

UN No.: N/A **CLASS:** N/A **SUBSIDIARY RISK:** N/A **PACKING GROUP:** N/A
PROPER SHIPPING NAME: N/A

ADR/RID **HI No.:** N/A
Item No.: N/A

IMO **IMDG Code Page No:** N/A
EmS Schedule: N/A
MFAG Table No: N/A
Marine Pollutant: No

IATA **Packing Instr:**
Passenger: N/A
Cargo: N/A

15. REGULATORY INFORMATION.

Label Name:

Labelling information: Harmful

Risk phrases: R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R65 Harmful: May cause lung damage if swallowed.

Safety phrases: S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

MEL for ingredients listed in schedule 1 of EH40 – No

OES for ingredients listed in schedule 2 of EH40 – Yes

Special Provisions: Restricted to professional users.

U.K. Regulatory References: C.H.I.P.3, The Chemical (Hazards Information and Packaging) Regulations 2002. The Carriage of Dangerous Goods by Road and Rail Regulations. Occupational Exposure Limits EH40 2002.

16. OTHER INFORMATION.

Date of issue of original: 25.04.05

1st Revision: 03.11.05

2nd Revision: 21.06.07

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be constructed as guaranteeing specific properties. For further information contact the office.