

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Acraflex™

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses: Main use category: Industrial use, Professional use, Consumer use
Use of the substance/mixture: Paint

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF
Telephone Number: 01234 846400
Emergency Contact Number: 111 (NHS England)
Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226
Specific target organ toxicity – Single exposure, Category 3, H336
Narcosis
Hazardous to the aquatic environment – Chronic Hazard, Category 3, H412
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Signal word: Warning

Hazard pictograms:



Hazard statements:

H226 - Flammable liquid and vapour.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing vapours.
P280 - Wear protective clothing, eye protection, face protection.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Supplementary information:

Contains HYDROCARBONS, C9, Aromatics; Low Aromatic White Spirit

EUH-statements:

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

2.3 Other hazards:

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture:

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
CALCIUM CARBONATE substance with national workplace exposure limit(s) (GB)	CAS-No.: 1317-65-3 EC-No.: 215-279-6	20 – 30	Not classified
Low Aromatic White Spirit	CAS-No.: 64742-48-9 EC-No.: 265-150-3 EC Index-No.: 649-327-00-6	15-30	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS (continue)

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
HYDROCARBONS, C9, Aromatics	EC-No.: 918-668-5 REACH-no: 01-2119455851-35	10 – 25	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Titanium Dioxide substance with national workplace exposure limit(s) (GB)	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2	5 – 20	Not classified

Full text of H- and EUH-statements: see section 16

SECTION 4: FIRST-AID MEASURES**4.1 Description of first aid measures:**

General:	IF exposed or concerned: Get medical advice/attention. Never give anything by mouth to an unconscious person.
By inhalation:	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Give oxygen or artificial respiration if necessary.
By skin contact:	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Give oxygen or artificial respiration if necessary.
By eye contact:	Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water. Get medical advice/attention.
By ingestion/aspiration:	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation:	May cause respiratory irritation.
Symptoms/effects after skin contact:	May cause moderate irritation.
Symptoms/effects after eye contact:	May cause eye irritation.
Symptoms/effects after ingestion:	May be harmful if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Extinguishing media:****Suitable extinguishing media:** Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water spray.**Unsuitable extinguishing media** Do not use a heavy water stream.**5.2 Special hazards arising from the substance or mixture:****Explosion hazard:** Heating may cause a fire or explosion.**Hazardous decomposition products in case of fire:** Carbon dioxide. Carbon monoxide.**5.3 Advice for firefighters:** Do not enter fire area without proper protective equipment, including respiratory protection. Evacuate area. Get the package away from the fire if this can be done without risk. Use water spray or fog for cooling exposed containers.**Protection during firefighting:** Use self-contained breathing apparatus and chemically protective clothing. Wear fire/flame resistant/retardant clothing. EN 469.**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:** Protective equipment: Wear recommended personal protective equipment.
Emergency procedures: Act in accordance with local emergency plan. Evacuate unnecessary personnel. Do not touch or walk on the spilled product. Notify fire brigade and environmental authorities.**For emergency responders:** Protective equipment : Do not attempt to take action without suitable protective equipment.**6.2 Environmental precautions:** Do not allow product to spread into the environment. Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.**6.3 Methods and material for containment and cleaning up:** For containment: Contain large spillage with sand or earth.
Methods for cleaning up: This material and its container must be disposed of in a safe way, and as per local legislation.**6.4 Reference to other sections:** For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:****Additional hazards when processed:**

Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling:

Avoid contact with skin and eyes. Use personal protective equipment as required. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

Hygiene measures:

Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Wear personal protective equipment.

7.2 Conditions for safe storage, including any Incompatibilities:**Storage conditions:**

Store in a well-ventilated place. Keep cool. Keep container closed when not in use. Direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible products:

Oxidizing agent. Strong bases. Strong acids

7.3 Specific end use(s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters:****National occupational exposure and biological limit values****CALCIUM CARBONATE (1317-65-3)****United Kingdom - Occupational Exposure Limits**

Local name	Calcium carbonate (Limestone, Marble)
WEL TWA (OEL TWA)	10 mg/m ³ total inhalable 4 mg/m ³ respirable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Titanium Dioxide (13463-67-7)**United Kingdom - Occupational Exposure Limits**

Local name	Titanium dioxide
WEL TWA (OEL TWA)	4 mg/m ³ respirable 10 mg/m ³ total inhalable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2 Exposure controls:**Appropriate engineering controls**

Ensure that there is a suitable ventilation system. Provide adequate ventilation to minimize dust concentrations.

Personal protection equipment:**Personal protective equipment symbol(s):****Eye and face protection****Eye protection:**

Chemical goggles or safety glasses

Skin protection**Skin and body protection:**

Chemical resistant safety shoes. Wear protective clothing

Hand protection:

Wear protective gloves

Hand protection

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)			EN 374-3

Other skin protection:**Materials for protective clothing:**

Wear protective clothing

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Respiratory protection

Device	Filter type	Condition	Standard
Disposable half mask	Type P2	Dust protection	EN 143

Environmental exposure controls:

Do not exceed the occupational exposure limits (OEL). Avoid creating or spreading dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Various colours
Odour:	Characteristic
Odour threshold:	Not available
Melting point:	Not available
Freezing point:	Not available
Boiling point:	≥ 140 °C
Flammability:	Flammable
Lower explosion limit:	Not available
Upper explosion limit:	Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

Flash point:	40 °C
Auto-ignition temperature:	≥ 400 °C
Decomposition temperature:	Not available
pH:	Not available
Viscosity, kinematic:	Not available
Solubility:	Soluble in organic solvents. Water: Non-soluble in water
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	Not available
Vapour pressure at 50°C:	> 1.2 g/cm ³
Density:	Not available
Relative density:	Not available
Relative vapour density at 20°C:	Not applicable
Particle characteristics:	

9.2 Other information**Other safety characteristics**

VOC content: EU Limit value for this product (cat.A/i): 500g/l (2010). This product contains max. 499g/l VOC

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	The product is non-reactive under normal conditions of use, storage and transport
10.2 Chemical stability:	Stable under normal conditions of use
10.3 Possibility of hazardous reactions:	None under normal use
10.4 Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5 Incompatible materials:	Oxidizing agent. Strong acids. Strong bases.
10.6 Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

HYDROCARBONS, C9, Aromatics

LD50 dermal rabbit	> 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 6.193 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

CALCIUM CARBONATE (1317-65-3)

LD50 oral rat	> 5000 mg/kg
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Titanium Dioxide (13463-67-7)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 6.8 mg/l/4h

Skin corrosion/irritation: Not classified

Titanium Dioxide (13463-67-7)

pH	7
Serious eye damage/irritation:	Not classified

Titanium Dioxide (13463-67-7)

pH	7
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Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	May cause drowsiness or dizziness.

HYDROCARBONS, C9, Aromatics

STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
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Low Aromatic White Spirit (64742-48-9)

STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure:	Not classified

HYDROCARBONS, C9, Aromatics

NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)
Aspiration hazard:	Not classified

SECTION 11: TOXICOLOGICAL INFORMATION (continue)**HYDROCARBONS, C9, Aromatics**

Viscosity, kinematic	1.06 mm ² /s Temp.: '20°C' Parameter: 'cStcSt'
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11.2. Information on other hazards:	No additional information available
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SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity:**

Hazardous to the aquatic environment, short-term (acute):	Not classified
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Hazardous to the aquatic environment, long-term (chronic)	Harmful to aquatic life with long lasting effects.
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HYDROCARBONS, C9, Aromatics

LC50 - Fish [1]	9.2 mg/l
EC50 - Crustacea [1]	3.2
EC50 72h - Algae [1]	2.9 mg/l
EC50 72h - Algae [2]	0.29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC chronic crustacea	2.14 mg/l 21 days

CALCIUM CARBONATE (1317-65-3)

LC50 - Fish [1]	> 10000 mg/l
EC50 - Crustacea [1]	> 1000 mg/l
EC50 72h - Algae [1]	> 200 mg/l

Titanium Dioxide (13463-67-7)

LC50 - Fish [1]	> 10000 mg/l
EC50 - Crustacea [1]	> 10000 mg/l
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability:**Acraflex**

Persistence and degradability	Not rapidly degradable
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HYDROCARBONS, C9, Aromatics

Persistence and degradability	Not rapidly degradable
Biodegradation	78 % 28 days

Low Aromatic White Spirit (64742-48-9)

Persistence and degradability	Not rapidly degradable
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CALCIUM CARBONATE (1317-65-3)

Persistence and degradability	Not rapidly degradable
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Titanium Dioxide (13463-67-7)

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential:	No additional information available
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12.4. Mobility in soil:	No additional information available
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12.5. Results of PBT and vPvB assessment:	No additional information available
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12.6. Endocrine disrupting properties:	No additional information available
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12.7. Other adverse effects:	No additional information available
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SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Waste treatment methods:	Must follow special treatment according to local regulation.
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Product/Packaging disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations.
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SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID

	ADR	IMDG	IATA	ADN	RID
14.1. UN number	UN 1263	UN 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name	PAINT	PAINT	PAINT	PAINT	PAINT

SECTION 14: TRANSPORT INFORMATION (continue)

	ADR	IMDG	IATA	ADN	RID
14.3. Transport hazard class(es)	3 	3 	3 	3 	3 
14.4. Packing group	III	III	III	III	III
14.5. Environmental hazards	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-E EmS-No. (Spillage): S-E	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
14.6. Special precautions for user: Overland transport Classification code (ADR): F1 Special provisions (ADR): 163, 367, 650 Limited quantities (ADR): 5I Excepted quantities (ADR): E1 Packing instructions (ADR): P001, IBC03, LP01, R001 Special packing provisions (ADR): PP1 Mixed packing provisions (ADR): MP19 Portable tank and bulk container instructions (ADR): T2 Portable tank and bulk container special provisions (ADR): TP1, TP29 Tank code (ADR): LGBF Vehicle for tank carriage: FL Transport category (ADR): 3 Special provisions for carriage - Packages (ADR): V12 Special provisions for carriage - Operation (ADR): S2 Hazard identification number (Kemler No.): 30 Orange plates:  Tunnel restriction code (ADR): D/E EAC code: •3YE Transport by sea Special provisions (IMDG): 163, 223, 367, 955 Limited quantities (IMDG): 5 L Excepted quantities (IMDG): E1 Packing instructions (IMDG): P001, LP01 Special packing provisions (IMDG): PP1 IBC packing instructions (IMDG): IBC03 Tank instructions (IMDG): T2 Tank special provisions (IMDG): TP1, TP29 Stowage category (IMDG): A Properties and observations (IMDG): Miscibility with water depends upon the composition. Air transport PCA Excepted quantities (IATA): E1 PCA Limited quantities (IATA): Y344 PCA limited quantity max net quantity (IATA): 10L PCA packing instructions (IATA): 355 PCA max net quantity (IATA): 60L CAO packing instructions (IATA): 366 CAO max net quantity (IATA): 220L Special provisions (IATA): A3, A72, A192 ERG code (IATA): 3L Inland waterway transport Classification code (ADN): F1 Special provisions (ADN): 163, 367, 650 Limited quantities (ADN): 5 L Excepted quantities (ADN): E1 Equipment required (ADN): PP, EX, A Ventilation (ADN): VE01 Number of blue cones/lights (ADN): 0					

SECTION 14: TRANSPORT INFORMATION (continue)**Rail transport**

Classification code (RID):	F1
Special provisions (RID):	163, 367, 650
Limited quantities (RID):	5L
Excepted quantities (RID):	E1
Packing instructions (RID):	P001, IBC03, LP01, R001
Special packing provisions (RID):	PP1
Mixed packing provisions (RID):	MP19
Portable tank and bulk container instructions (RID):	T2
Portable tank and bulk container special provisions (RID):	TP1, TP29
Tank codes for RID tanks (RID):	LGBF
Transport category (RID):	3
Special provisions for carriage – Packages (RID):	W12
Colis express (express parcels) (RID):	CE4
Hazard identification number (RID):	30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****EU-Regulations**

REACH Annex XVII (Restriction List)	Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
REACH Annex XIV (Authorisation List)	Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
REACH Candidate List (SVHC)	Contains no substance(s) listed on the REACH Candidate List
PIC Regulation (Prior Informed Consent)	Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
POP Regulation (Persistent Organic Pollutants)	Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
Ozone Regulation (2024/590)	Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)
Dual-Use Regulation (428/2009)	Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a community regime for the control of exports, transfer, brokering and transit of dual-use items.

VOC Directive (2004/42)

Organic solvent:	Yes
VOC content:	EU Limit value for this product (cat.A/i): 500g/l (2010). This product contains max. 499g/l VOC

Explosives Precursors Regulation (2019/1148): Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004): Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment: No additional information available

SECTION 16: OTHER INFORMATION**Full text of H- and EUH-statements:**

Aquatic Chronic 2: Hazardous to the aquatic environment – Chronic Hazard, Category 2
 Asp. Tox. 1: Aspiration hazard, Category 1
 Flam. Liq. 3: Flammable liquids, Category 3
 STOT SE 3: Specific target organ toxicity – Single exposure, Category 3, Narcosis
 H226: Flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 H335: May cause respiratory irritation.
 H336: May cause drowsiness or dizziness.
 H411: Toxic to aquatic life with long lasting effects.
 H412: Harmful to aquatic life with long lasting effects.
 EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

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