

Safety data sheet according to UK REACH

Printing date 17.07.2025

Version number 3

Revision: 17.07.2025

* SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· Trade name: **Wekat 902**

· 1.2 Relevant identified uses of the substance or mixture and uses advised against See Section 16

· Application of the substance / the mixture Hardening agent/ Curing agent

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

WestWood Liquid Technologies Limited
31 Morris Road
Nuffield Industrial Estate
Poole, Dorset BH17 0GG
United Kingdom
Fon: +44 800 808 5480
Internet: www.westwood-uk.com

· Further information obtainable from:

Product safety department
Mr. Wayne Chissell
Fon: +44 7725 940 678
Email: wayne.chissell@westwood-uk.com

· Emergency telephone number:

24h - Emergency number
Phone: +1 872 5888271 (W)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Org. Perox. E H242 Heating may cause a fire.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

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· Hazard pictograms



· Signal word Warning

· Hazard-determining components of labelling:

Dibenzoyl peroxide

· Hazard statements

H242 Heating may cause a fire.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 Keep away from clothing and other combustible materials.

P234 Keep only in original packaging.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· **PBT:** Does not meet the PBT-criteria of Annex XIII of UK REACH (self assessment).

· **vPvB:** Does not meet the vPvB-criteria of Annex XIII of UK REACH (self assessment).

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 94-36-0	Dibenzoyl peroxide	≥25-≤50%
EINECS: 202-327-6	Org. Perox. B, H241; Aquatic Acute 1, H400 (M=10); Aquatic	
Reg.nr.: 01-2119511472-50	Chronic 1, H410 (M=10); Eye Irrit. 2, H319; Skin Sens. 1, H317	

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Take affected persons out of danger area and lay down.

Personal protection for the First Aider.

· After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Take affected persons into fresh air and keep quiet.

Bei anhaltenden Beschwerden Arzt aufsuchen und dieses Sicherheitsdatenblatt vorzeigen

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

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Remove contaminated clothing and wash before reuse.

If skin irritation continues, consult a doctor.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Rinse mouth with water (only if the casualty is conscious).

Call a doctor immediately.

Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed**

May cause allergic skin reactions.

Irritant to skin, eyes and respiratory system.

· **Hazards** Causes severe eye irritation.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **5.2 Special hazards arising from the substance or mixture**

Contact with incompatible materials or exposure to temperatures exceeding SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which may auto-ignite.

Flash back possible over considerable distance.

Vapors may form explosive mixtures with air.

The product will float on water and can be reignited on surface water.

Cool closed containers exposed to fire with water spray.

· **5.3 Advice for firefighters**

· **Protective equipment:** Wear self-contained respiratory protective device.

· **Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Beware of vapours accumulating to form explosive concentrations.

Vapours can accumulate in low areas.

Remove persons from danger area.

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Prevent from spreading (e.g. by damming-in or oil barriers).

Inform respective authorities in case of seepage into water course or sewage system.

· **6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable receptacles.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Wash hands thoroughly before breaks and at the end of work.

Avoid contact with eyes and skin.

Do not eat, drink or smoke when handling the product.

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Prevent formation of aerosols.

· Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

Only explosion-proof equipment.

Protect against electrostatic charges.

Prevent impact and friction.

Protect from heat.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Store in a cool location.

· Information about storage in one common storage facility:

Organic peroxides must not be set down or stored together with heavy metal compounds or amines or their preparations.

Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

max. Storage temperature 30 ° C

Keep container tightly sealed.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Additional information about design of technical facilities: No further data; see section 7.

· Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNELs

94-36-0 Dibenzoyl peroxide

Oral	DNEL (population)	1.65 mg/kg bw/day (population)
Dermal	DNEL	2.9 mg/m ³ (population)
	DNEL	6.6 mg/kg bw/day (Employee / Industrial / Commercial)
		3.3 mg/kg bw/day (population)
Inhalative	DNEL	11.75 mg/m ³ (Employee / Industrial / Commercial)

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		2.9 mg/m ³ (population)
· PNECs		
94-36-0 Dibenzoyl peroxide		
Oral	PNEC oral	6.67 mg/kg (Nahrungsmittel)
	PNEC	0.0758 mg/kg (ground)
		0.338 mg/kg (sediment) (Süßwasser)
	PNEC	0.35 mg/l (sewage plant)
		0.0000602 mg/l (seawater)
		0.000602 mg/l (freshwater)

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes.

· **Respiratory protection:** ABEK filter

· **Protection of hands:**


Protective gloves

General recommendation: The usage time of the protective gloves is approx. 50% of the penetration time measured in the laboratory!

· **Material of gloves**

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.5 mm

The selection of a suitable glove depends not only on the material, but also on other quality features and varies from manufacturer to manufacturer.

Protective gloves according to EN 374.

· **Penetration time of glove material** >480 minutes (permeation level: 6)

· **Not suitable are gloves made of the following materials:** Leather gloves

· **Eye protection:**


Tightly sealed goggles EN standard: EN 166

· **Body protection:**


Protective work clothing

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	White
· Odour:	Characteristic
· Odour threshold:	Not determinable.
· pH-value:	Not determined. Mixture is non-polar/aprotic.
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Decomposes itself.
· Flash point:	~50 °C
· Explosive properties:	Product does not present an explosion hazard. Risk of explosion by shock, friction, fire or other sources of ignition.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure at 20 °C:	23.4 hPa
· Density at 20 °C:	1.2 g/cm ³ (EN ISO 2811-1)
· Evaporation rate	No data available.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	1,000 mPas (EN ISO 2555)
Kinematic at 20 °C:	833 mm ² /s (EN ISO 2431)
· Solvent content:	
VOC (EC)	0.00 %
Solids content:	40-<45 %
· 9.2 Other information	Self-Accelerating decomposition temperature (SADT): 50 °C SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** see Section 10.2
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions** Forms explosive gas mixture with air.

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· 10.4 Conditions to avoid

Avoid heat. Avoid direct sunlight.

Protect from contamination.

Contact with incompatible substances can cause decomposition at or below SADT.

Avoid confinement.

· 10.5 Incompatible materials:

Accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents

· 10.6 Hazardous decomposition products:

SADT - (self-accelerating decomposition temperature) is the lowest temperature at which self-accelerating decomposition can occur in the transport packaging. A dangerous self-accelerating decomposition reaction under unfavorable circumstances, explosion or fire can be caused by thermal decomposition at or above the SADT. Contact with incompatible substances can cause decomposition at or below the SADT.

· Additional information:

Emergency procedures will vary depending on individual circumstances. The customer should have a contingency plan to the workplace may be present.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

There were no toxicological findings to the mixture.

· Acute toxicity

Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

94-36-0 Dibenzoyl peroxide

Oral	LD50	>2,000 mg/kg (mouse)
Inhalative	LC50	>24,300 mg/l (rat) (OECD 403)

· Primary irritant effect:

· Skin corrosion/irritation

Based on available data, the classification criteria are not met.

· Serious eye damage/irritation

Causes serious eye irritation.

· Respiratory or skin sensitisation

May cause an allergic skin reaction.

· Subacute to chronic toxicity:

94-36-0 Dibenzoyl peroxide

Oral	NOAEL	200 mg/kg/d (rat) adverse effect observed 500 mg/kg/d (unknown) Concentration at which no adverse effect was observed.
	NOAEL/29d	1,000 mg/kg/d (unknown) Konzentration, bei der kein schädlicher Effekt beobachtet wurde.

· Additional toxicological information:

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

· Germ cell mutagenicity

Based on available data, the classification criteria are not met.

· Carcinogenicity

Based on available data, the classification criteria are not met.

· Reproductive toxicity

Based on available data, the classification criteria are not met.

· STOT-single exposure

Based on available data, the classification criteria are not met.

· STOT-repeated exposure

Based on available data, the classification criteria are not met.

· Aspiration hazard

Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

94-36-0 Dibenzoyl peroxide

EC50	35 mg/l (bacteria) (Atmungsinhibierungstest für Belebtschlamm) 0,5 h
EC50/48h	0.11 mg/l (daphnia magna) (OECD-Richtlinie 202)
LC50/96h	0.06 mg/l (fish)
NOEC/72h	0.02 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC50/72h	0.0711 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC	0.077 mg/l (daphnia magna) (OECD-Richtlinie 202) 48 h 0.0316 mg/l (Rainbow trout) OECD 203 96 h

· 12.2 Persistence and degradability No further relevant information available.

· 12.3 Bioaccumulative potential

Dibenzoyl peroxide:

Partition coefficient: n-octanol/water : log Pow: 3.2 (20 °C)

· 12.4 Mobility in soil No further relevant information available.

· Additional ecological information:

· General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Danger to drinking water if even small quantities leak into the ground.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Does not meet the PBT-criteria of Annex XIII of UK REACH (self assessment).

· **vPvB:** Does not meet the vPvB-criteria of Annex XIII of UK REACH (self assessment).

· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Hazardous waste according to Waste Catalogue (EWC). If recycling is not possible, waste must be in compliance with local regulations to be removed.

· Recommendation



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

· Recommendation:

This product (liquid) and its container must be disposed of as hazardous waste.

Empty the remains.

Do not reuse empty containers.

Do not burn empty containers or treat them with a cutting torch.

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Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN3107
· 14.2 UN proper shipping name · ADR · IMDG · IATA	3107 ORGANIC PEROXIDE TYPE E, LIQUID (Dibenzoyl peroxide) ORGANIC PEROXIDE TYPE E, LIQUID (Dibenzoyl peroxide), MARINE POLLUTANT ORGANIC PEROXIDE TYPE E, LIQUID (Dibenzoyl peroxide)
· 14.3 Transport hazard class(es) · ADR	
 	
· Class · Label	5.2 (P1) Organic peroxides. 5.2
· IMDG	
 	
· Class · Label	5.2 Organic peroxides. 5.2
· IATA	
	
· Class · Label	5.2 Organic peroxides. 5.2
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Organic peroxides. - F-J,S-R D

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· Stowage Code	SW1 Protected from sources of heat.
· Segregation Code	SG35 Stow "separated from" SGG1-acids SG36 Stow "separated from" SGG18-alkalis. SG72 See 7.2.6.3.2.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	125 ml
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	125 ml
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 3107 ORGANIC PEROXIDE TYPE E, LIQUID (DIBENZOYL PEROXIDE), 5.2

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

· Regulated explosives precursors
None of the ingredients is listed.
· Regulated poisons
None of the ingredients is listed.
· Reportable explosives precursors
None of the ingredients is listed.
· Reportable poisons
None of the ingredients is listed.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**
P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES
E1 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

- **National regulations:**

- **Information about limitation of use:**
Employment restrictions under the Maternity Protection Directive (94/33/EC).
Employment restrictions for maternity Directive (92/85/EEC) for expectant and nursing mothers.

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- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

These figures relate to the product as delivered.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H241 Heating may cause a fire or explosion.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

- **Training hints**

Teaching about hazards and precautions to hand the operating instructions (Technical Rule 555).
Instruction must take place before the start of employment and at least annually thereafter.

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Org. Perox. B: Organic peroxides – Type B
Org. Perox. E: Organic peroxides – Type E/F
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

- **Sources**

www.gestis.de
www.echa.eu
logkow.cisti.nrc.ca

- * **Data compared to the previous version altered.**