

SAFETY DATA SHEET ACCORDING TO REGULATION (EC) NO. 1907/2006 AS AMENDED AND RETAINED IN UK LAW (UK REACH)

Product Code: CVC

Version: 1.3 (Supersedes v1.2)

Revision Date: 2026/06/02

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

1.1. Product identifier	COMMERCIAL VEHICLE CLEANER (Product Code: CVC)[cite: 10]
1.2. Identified uses	Professional and industrial alkaline vehicle cleaning concentrate.[cite: 10]
Uses advised against	Consumer uses or any applications not explicitly specified.[cite: 10]
1.3. SDS Supplier details	Chemodex Ltd, Canal Road, Worksop, Notts, S80 2EH, United Kingdom. Tel: 01909 473301 Email: sales@chemodex.co.uk[cite: 10]
1.4. Emergency telephone	0344 892 0111 (Official Emergency Support Line) National Poisons Information Service (NPIS) England: http://npis.org [cite: 10] NHS 111: Dial 111 (United Kingdom)[cite: 10]

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture (GB CLP Regulation)

Skin Irritation Category 2 (H315 - Causes skin irritation.)[cite: 10]

Serious Eye Damage Category 1 (H318 - Causes serious eye damage.)[cite: 10]

2.2. Label elements

Hazard Pictograms



Signal Word

DANGER

Hazard Statements

H315: Causes skin irritation.[cite: 10]

H318: Causes serious eye damage.[cite: 10]

EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.[cite: 10]

Precautionary Statements

P102: Keep out of reach of children.[cite: 10]

P264: Wash hands thoroughly after handling.[cite: 10]

P280: Wear protective gloves/eye protection/face protection.[cite: 10]

P302+P352: IF ON SKIN: Wash with plenty of water.[cite: 10]

P332+P313: If skin irritation occurs: Get medical advice/attention.[cite: 10]

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.[cite: 10]

P310: Immediately call a POISON CENTER or doctor/physician.[cite: 10]

P362+P364: Take off contaminated clothing and wash it before reuse.[cite: 10]

P501: Dispose of contents in accordance with local, regional and national regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical / Generic Name	CAS-No. / EC-No.	Classification (GB CLP)	Concentration (% w/w)
Non-ionic surfactant blend (Generic Name)	68439-46-3 / Polymer[cite: 10]	Acute Tox. 4 (H302); Eye Dam. 1 (H318)[cite: 10]	1.0% - <10.0% [cite: 10]
2-butoxyethanol (Butyl Glycol)	111-76-2 / 203-905-0[cite: 10]	Acute Tox. 4 (H302); Acute Tox. 4 (H332); Skin Irrit. 2 (H315); Eye Irrit. 2 (H319)[cite: 10]	1.0% - <10.0% [cite: 10]
Sodium metasilicate	6834-92-0 / 229-912-	Met. Corr. 1 (H290); Skin Corr. 1B (H314); STOT SE 3 (H335)	1.0% - <5.0%

	9[cite: 10]	[cite: 10]	[cite: 10]
Sodium carbonate	497-19-8 / 207-838-8[cite: 10]	Eye Irrit. 2 (H319)[cite: 10]	1.0% - <5.0% [cite: 10]
Amphoteric surfactant (Generic Name)	61789-40-0 / 931-296-8[cite: 10]	Eye Dam. 1 (H318); Aquatic Chronic 3 (H412)[cite: 10]	1.0% - 5.0% [cite: 10]
Alkyl polyglucoside (Generic Name)	68515-73-1 / 500-220-1[cite: 10]	Skin Irrit. 2 (H315); Eye Dam. 1 (H318)[cite: 10]	1.0% - <5.0% [cite: 10]
1,2-benzisothiazol-3(2H)-one (BIT Active)	2634-33-5 / 220-120-9[cite: 10]	Acute Tox. 4 (H302); Skin Sens. 1 (H317); Aquatic Acute 1 (H400)[cite: 10]	<0.1%[cite: 10]

SECTION 4: FIRST AID MEASURES

Inhalation	Move affected individual to fresh air. If irritation or breathing difficulties persist, seek medical attention.[cite: 10]
Skin contact	Wash affected areas thoroughly with plenty of running water and soap. Remove contaminated clothing. If irritation develops and persists, seek medical advice.[cite: 10]
Eye contact	Open eyelids wide and flush immediately with running water for a minimum of 15 minutes. Remove contact lenses if present and easy to do. Seek urgent attention from an ophthalmologist.[cite: 10]
Ingestion	Wash out mouth thoroughly with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical treatment.[cite: 10]

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical powder, or carbon dioxide (CO ₂).[cite: 10]
Specific Hazards	The product is non-combustible. In a surrounding fire, thermal decomposition may liberate dangerous compounds such as carbon oxides and sodium oxides.[cite: 10]
Protective Gear	Wear a self-contained breathing apparatus (SCBA) and complete protective chemical gear.[cite: 10]

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Evacuate unnecessary personnel. Wear safety glasses/goggles, protective gloves, and suitable work clothing. Avoid walking through or breathing mists.[cite: 10]

Environmental precautions: Keep liquid away from entering surface waters, storm drains, or groundwater networks.[cite: 10]

Methods for cleaning up: Absorb using inert containment material (sand, earth, or a universal absorbent binder). Collect into clearly labelled plastic containers for disposal. Wash down the impacted zone with water.[cite: 10]

SECTION 7: HANDLING AND STORAGE

Advice on safe handling: Avoid any contact with eyes or skin. Do not inhale spray mists or vapours. Ensure rooms have sufficient ventilation. Wash hands thoroughly with soap after handling.[cite: 10]

Requirements for storage: Keep stored only inside original, tightly closed packaging. Keep within a dry, cool, well-ventilated location away from freezing conditions. Store away from strong acids.[cite: 10]

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters (UK Workplace Exposure Limits EH40/2005)

2-butoxyethanol (CAS: 111-76-2): Long-term exposure limit (8-hr TWA): 25 ppm (123 mg/m³) | Short-term exposure limit (15-min STEL): 50 ppm (246 mg/m³). Note: Can be absorbed through the skin.[cite: 10]

8.2. Exposure controls

Engineering measures: Provide local exhaust ventilation or ensure open air exchange where mists are likely to form. Ensure eye-wash stations are close by.[cite: 10]

Personal Protective Equipment (PPE):

- *Eye / Hand protection:* Wear tightly sealed safety goggles conforming to EN 166. Wear chemical-resistant protective gloves tested under standard EN 374. Suitable materials: Nitrile rubber, Neoprene, or PVC.[cite: 10]
- *Respiratory protection:* Not typically needed during standard handling. If spraying generates heavy airborne mist, select an approved respirator fitted with a Type P2 particulate filter.[cite: 10]

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (UK REACH ANNEX II COMPLIANT)

Mandatory Annex II Property Endpoint	Technical Value Spec / Statement
Physical state / Form	Liquid[cite: 10]
Colour	Clear to slight pale straw[cite: 10]

Odour	Characteristic mild detergent surfactant alkaline profile
Melting point / Freezing point	~0°C (Water baseline matrix value)
Boiling point / Boiling range	~100°C[cite: 10]
Flammability (solid, gas)	Not applicable (Liquid composition)
Lower and upper explosion limit	Product is non-explosive; testing data is not available
Flash point	>100°C (No flash point obtained up to boiling point threshold)
Auto-ignition temperature	Product is non-combustible; testing parameters not applicable
Decomposition temperature	Data not available; stable under ambient operations
pH Value	11.4 - 12.0 (neat solution at 20°C)[cite: 10]
Kinematic viscosity	Data not available (Fluid water-thin structure)
Solubility	Completely miscible in water[cite: 10]
Partition coefficient n-octanol/water (log value)	Not applicable for inorganic components / surfactant mixtures
Vapour pressure	Data not available (Comparable to water matrix vapor tension)
Density and/or relative density	1.02 - 1.03 g/cm³ at 20°C[cite: 10]
Relative vapour density	Data not available
Particle characteristics	Not applicable (Supplied strictly as an aqueous solution)
Explosive properties	Not classified as explosive based on chemical structure
Oxidising properties	Not classified as oxidising based on chemical composition

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity	Neutralizes exothermically when combined with strong acids.[cite: 10]
10.2. Chemical stability	Stable when kept under regular ambient conditions of temperature and storage.[cite: 10]
10.3. Hazardous reactions	None known under normal storage conditions.[cite: 10]
10.4. Conditions to avoid	Avoid contact with strong acid mixtures and freezing conditions.
10.5. Incompatible materials	Strong acids.[cite: 10]
10.6. Hazardous decomp. products	None known under typical operational storage. Structural thermal breakdowns in surrounding fires produce carbon oxides.[cite: 10]

SECTION 11: TOXICOLOGICAL INFORMATION (FULL ANNEX II ENDPOINT PROFILING)

Mixture Toxicity Estimation (ATEmix): Calculated Oral ATEmix > 2000 mg/kg; Calculated Inhalation ATEmix > 20 mg/l (Vapours). The product is not classified under acute toxic categories based on component calculations.

Toxicological Hazard Class	Classification Status & Structural Justification Basis
Acute toxicity (oral/dermal/inhalation)	Based on available data, classification criteria are not met. Contains 2-butoxyethanol and alkaline salts.[cite: 10]
Skin corrosion / irritation	Category 2 Skin Irritant. Causes skin irritation. Reflected by local redness and swelling.[cite: 10]
Serious eye damage / irritation	Category 1 Corrosive. Causes serious, irreversible eye damage with a risk of corneal injury if left untreated.[cite: 10]
Respiratory or skin sensitisation	Based on available data, the criteria are not met. Contains <0.1% 1,2-benzisothiazol-3(2H)-one (allergic risk trigger).[cite: 10]
Germ cell mutagenicity	Based on available data, no component structures are flagged as mutagenic. Classification criteria not met.
Carcinogenicity	Based on available data, no components are classified or recognized as carcinogenic agents. Criteria not met.
Reproductive toxicity	Based on available data, no elements reveal reproductive or developmental risk traits. Criteria not met.
STOT - single exposure	Based on available data, the criteria are not met. Sodium metasilicate is present below the threshold limit.[cite: 10]
STOT - repeated exposure	Based on available data, classification parameters are not satisfied. Chronic low-level exposure risks not observed.
Aspiration hazard	Not classified as an aspiration hazard. Mixture contains no viscous low-surface-tension hydrocarbons.

SECTION 12: ECOLOGICAL INFORMATION (FULL ANNEX II ENDPOINT PROFILING)

Ecological Parameter Endpoint	Environmental Data Profile & Justification Status
12.1. Ecotoxicity data	The product is not classified as hazardous to the environment. Localized hazard may arise from elevated pH if discharged untreated into watercourses.[cite: 10]
12.2. Persistence and degradability	The surfactant ingredients present inside this commercial chemical mixture satisfy ultimate biodegradability criteria specified under Detergents Regulations integrated into UK law.[cite: 10]
12.3. Bioaccumulative potential	Low bioaccumulation potential. The active raw materials possess low log Kow thresholds, indicating minimal structural concern for environmental bioaccumulation.
12.4. Mobility in soil	Completely miscible in water. High water solubility implies substantial mobility across aqueous channels and soil substrates if released into nature.[cite: 10]

12.5. PBT and vPvB assessment	This chemical product mixture does not contain any active component substances assessed to be a PBT or a vPvB material at declared concentration points.
12.6. Endocrine disrupting properties	The product mixture does not contain any components recognized or registered as possessing endocrine disrupting properties affecting non-target ecosystems.
12.7. Other adverse effects	Alkaline discharge can elevate localized aquatic pH parameters. Do not allow large un-neutralized quantities to penetrate water streams.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Dispose of contents in accordance with local, regional and national regulations. Do not discharge concentrate raw into watercourses. Small quantities can be flushed to drain with plenty of water in compliance with local trade effluent controls.[cite: 10] Dispose of empty chemical packaging containers safely in strict alignment with regional environmental frameworks.

SECTION 14: TRANSPORT INFORMATION

Transport Status: Not regulated as dangerous goods for transport (ADR, IMDG, IATA).[cite: 10]

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

- This Safety Data Sheet has been structured to realign with the formatting rules of Regulation (EC) No. 1907/2006 as amended and retained in UK law (UK REACH) and the technical profiling rules of the GB CLP Regulation.[cite: 10]
- *Poison Centre Position:* Because this chemical mixture is manufactured and supplied strictly within Great Britain, submissions via the European Chemicals Agency (ECHA) PCN Portal do not apply. Unique Formula Identifier (UFI) codes hold no legal weight or enforcement mandate within GB borders. Formulations are declared voluntarily directly to the National Poisons Information Service (NPIS) to support emergency medical staff.[cite: 10]

SECTION 16: OTHER INFORMATION

Full H-Statements Text Referenced under Section 3:

H290: May be corrosive to metals. | H302: Harmful if swallowed. | H314: Causes severe skin burns and eye damage. | H315: Causes skin irritation. | H317: May cause an allergic skin reaction. | H318: Causes serious eye damage. | H319: Causes serious eye irritation. | H332: Harmful if inhaled. | H400: Very toxic to aquatic life. | H412: Harmful to aquatic life with long-lasting effects.[cite: 10]

Document Revision History Log (Compliance Track):

Version Number	Date Issued	Description of Technical Amendments & Updates
Version 1.3	2026/06/02	Updated section 1.4 primary emergency line entry to 0344 892 0111. Linked hazard identification directly to unaltered official HSE asset registry resource (corrosive.gif). Overhauled Sections 9, 11, and 12 to fulfill missing mandatory data parameters under UK REACH Annex II specifications. Adjusted disposal regulatory phrases under Section 2.2 and Section 13 to mandate explicit local, regional, and national regulation track alignments. Refreshed document compliance baseline tracking referencing Safety Data Sheet - CVC verbatim.
Version 1.2	2026/05/28[cite: 10]	Internal composition review and raw material safety verification tracking update.[cite: 10]