



Safety Data Sheet (according to 1907/2006/EC, Article 31)

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

1.1 Product identifier

Trade name: HB42 Solvent Cleaner

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

No further relevant information available.

Application of the substance / the mixture: Cleaning material/Detergent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Hilton Banks Limited
74 Oldfield Road
Hampton
Middlesex TW12 2HR
Tel: 020 8979 8284
E-mail: enquiries@hb42.co.uk
Internet: www.hb42.co.uk

Further information obtainable from:

Product safety department.
enquiries@hb42.co.uk

1.4 Emergency telephone number:

Tel: 020 8979 8284

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame



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Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Asp. Tox. 1 H304 May be fatal and enters airways.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



F+: Extremely flammable

R12: Extremely flammable.

R66: Repeated exposure may cause skin dryness or cracking.

Information concerning particular hazards for human environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

harmful: may cause lung damage if swallowed.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labelling according to regulation (EC) No 1271/2008

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

Hazard pictograms



GHS02

Signal word danger

Hazard-determining components of labelling:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics

Hazard statements





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H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P101 Keep out of reach of children

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

P211 Do not spray on open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P280 Wear protective gloves.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C

P501 Dispose of contents/container to hazardous or special waste collection point.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Build up of explosive mixtures possible without sufficient ventilation.

2.3 Other Hazards

Results of PBT and vPvB assessment




PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
EC number : 918-481-9 Reg.nr.: 01-2119457273-39-xxx	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics  Xn R65 R66  Asp. Tox. 1, H304	50-100%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide  Press. Gas L, H280	1.0-2.5%



**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥ 30%
aromatic hydrocarbons	< 5%

Additional information: Mixture of substances listed below with non-hazardous additions.

SECTION 4: First aid measures**4.1 Description of first aid measures****After inhalation:**

Supply fresh air; consult doctor in case of complaints.

Take affected persons into fresh air and keep quiet.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Immediately remove any clothing soiled by the product.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Fire-fighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Foam

Fire-extinguishing powder

Carbon dioxide

For safety reasons unsuitable extinguishing agents:

Water with full jet



5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters:

Protective equipment:

Wear self-contained respiratory protective device

Additional information:

Cool endangered receptacles with water spray.

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

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

Ensure adequate ventilation.

6.4 Reference to other sections:

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Keep away from sources of ignition - No smoking.



Ensure good ventilation/exhaustion at the workplace

Avoid contact with skin and eyes.

information about fire - and explosive protection:

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirments to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

Information about storage in one common storage facility: Not required

Further information about storage conditions: None

Storage class: 2B

7.3 Specific end use(s):

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facities: No further data; see item 7.

8.1 Control parameters

Ingredients with limited values that require monitoring at the workplace:	
124-38-9 carbon dioxide	
WEL	Short-term value: 27400 mg/m ³ , 15000 ppm long-term value: 9150 mg/m ³ , 5000 ppm

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

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away form foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with eyes and skin.

Respiratory protection: Not required



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Protection of hands:

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0.45\text{mm}$

(EN 374)

Penetration time of glove material

$\geq 240\text{min}$

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

(EN166)

Body protection: protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

General Information

Appearance:

Form:	Aerosol
Colour:	Colourless
Odour:	Solvent-like

Change in condition

melting point/Melting range:	Undertermined
Boiling point/Boiling range:	Not applicable, as aerosol.
Flash point:	$> 60^{\circ}\text{C}$

Ignition temperature: $> 200^{\circ}\text{C}$

Danger of explosion: Product does not present an explosion hazard.

Density at 20°C: 0.78991 g/cm^3

Solubility in / Miscibility with water at 20°C : 0.04 g/l

Organic solvents: 98.0%

VOC (EC) 773.9 g/l

9.2 Other information:

No further relevant information available.





SECTION 10: Stability and reactivity

10.1 Reactivity:

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Conditions to avoid:

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Aldehyde
Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Acute toxicity:

LD/LC50 values relevant for classification:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, < 2% aromatics

Oral LD50 >2000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rat)

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: No irritating effect.

Sensitisation: No sensitising effects known.

Additional information: vapours have narcotic effect.

Section 12: Ecological information





12.1 Toxicity

Aquatic toxicity:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics

EC50/48 h >1000 mg/l (daphnia)

12.2 Persistence and degradability:

No further relevant information available.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil:

No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German regulations) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects:

No further relevant information available.

Section 13: Disposal considerations:

13.1 Waste treatment methods

Recommendation

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

European waste catalogue:

16 05 04 gases in pressure containers (including halons) containing dangerous substances

15 01 04 metallic packaging



Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Section 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA 1950

14.2 UN proper shipping name

ADR	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR	1950 AEROSOLS
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Class	2 5F Gases.
Label	2.1

IMDG, IATA



Class	2.1
Label	2.1

14.4 Packaging Group

ADR, IMDG, IATA	Void
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14.5 Environmental hazards:

Marine pollutant:	No
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14.6 Special precautions for user

Warning: Gases

Danger code (Kemler):	23
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EMS Number:

F-D, S-U

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

Transport/Additional information:

ADR

Limited quantities (LQ)

LQ2

Transport category

2

Tunnel restriction code

B1D

UN "Model Regulation":

UN1950, AEROSOLS, 2.1

SECTION 15: Regulatory information

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

No further relevant information available.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

R65 Harmful: may cause lung damage if swallowed.

R66 repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses per chemin de fer (Regulations Concerning the International Transport of Dangerous goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement)





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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 Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compound (USE, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. gasL: Gases under pressure: Liquefied gas

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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