

SAFETY DATA SHEET

Kolor-Bond (UK) Limited - Activator 200/400ml Aerosol

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

1.1. Product identifier

Product name Kolor-Bond (UK) Limited - Activator 200/400ml Aerosol
Product No. 1814, 1919

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

Identified uses Activator.

1.3. Details of the supplier of the safety data sheet

Supplier Kolor-Bond (UK) Limited
Lower Clutton Hill
Clutton
Bristol
BS39 5PJ
Tel. +44 (0) 1761 451 098
(Hours 09:00 - 16:30 Mon to Frid)
Fax. +44 (0) 1761 451 099
admin@kolor-bond.co.uk

1.4. Emergency telephone number

+44 (0) 1761 451 098 (Hours 09:00 - 16:30 Mon to Fri)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Aerosol 1 - H222
Human health Not classified.
Environment Not classified.

Classification (1999/45/EEC)

F+;R12.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

Environment

The product is not expected to be hazardous to the environment.

Physical and Chemical Hazards

Pressurised container: Must not be exposed to temperatures above 50°C. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H222 Extremely flammable aerosol.

Precautionary Statements

P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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P260 Do not breathe vapour/spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P271 Use only outdoors or in a well-ventilated area.

Supplemental label information

A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
 A2 Do not spray on a naked flame or any incandescent material.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

N,N-DIMETHYL-PARA-TOLUIDINE		< 1%
CAS-No.: 99-97-8	EC No.: 202-805-4	
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT RE 2 - H373 Aquatic Chronic 3 - H412	Classification (67/548/EEC) T;R23/24/25 R33 R52/53	
PETROLEUM GASES, LIQUEFIELD		60-100%
CAS-No.: 68476-85-7	EC No.: 270-704-2	
Classification (EC 1272/2008) Flam. Gas 1 - H220 Press. Gas, Compressed - H280	Classification (67/548/EEC) F+;R12.	
PROPAN-2-OL		10-30%
CAS-No.: 67-63-0	EC No.: 200-661-7	Registration Number: 01-2119457558-XX
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Move the exposed person to fresh air at once.

Inhalation

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention.

Skin contact

Wash skin with soap and water. Get medical attention if any discomfort continues.

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Eye contact

Immediately rinse with water. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention promptly if symptoms occur after washing.

4.2. Most important symptoms and effects, both acute and delayed

General information

No data available

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

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Water spray, foam, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Extremely flammable. Forms explosive mixtures with air. May explode in a fire. Vapours are heavier than air and may spread near ground to sources of ignition.

Specific hazards

Pressurised container: Must not be exposed to temperatures above 50°C.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Use water spray to reduce vapours. Aerosol cans may explode in a fire. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2. Environmental precautions

Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Provide ventilation and confine spill. Do not allow runoff to sewer.

6.4. Reference to other sections

See sections: 7, 8, 11, 12 and 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Avoid inhalation of vapours and spray mists. Do not spray on a naked flame or any incandescent material. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

7.2. Conditions for safe storage, including any incompatibilities

Extremely flammable. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

7.3. Specific end use(s)

No data available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
PETROLEUM GASES, LIQUEFIELD	WEL	1000 ppm	1750 mg/m ³	1250 ppm	2180 mg/m ³	
PROPAN-2-OL	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	

WEL = Workplace Exposure Limit.

PROPAN-2-OL (CAS: 67-63-0)

DNEL

Consumer	Oral	Long Term	Systemic Effects	26 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	319 mg/kg/day
Industry	Dermal	Long Term	Systemic Effects	888 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	89 mg/m ³
Industry	Inhalation.	Long Term	Systemic Effects	500 mg/m ³

PNEC

Freshwater	140.9	mg/l
Sediment (Freshwater)	552	mg/kg
Intermittent release	140.9	mg/l
Sediment (Marinewater)	552	mg/kg
Marinewater	140.9	mg/l
STP	2251	mg/l
Soil	28	mg/kg

8.2. Exposure controls

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. In case of inadequate ventilation use suitable respirator.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hygiene measures

When using do not eat, drink or smoke. Wash promptly if skin becomes wet or contaminated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Clear
Odour	of solvents
Solubility	Insoluble in water
Initial boiling point and boiling range (°C)	-41 (-41 TO 215)
Melting point (°C)	Not available
Relative density	0.58
Vapour density (air=1)	Not available
Vapour pressure	Not available
Evaporation rate	Not available
pH-Value, Conc. Solution	Not available
Viscosity	Not available
Decomposition temperature (°C)	Not available
Odour Threshold, Lower	Not available
Odour Threshold, Upper	Not available
Flash point (°C)	-40
Auto Ignition Temperature (°C)	425
Flammability Limit - Lower(%)	1.2
Flammability Limit - Upper(%)	12
Partition Coefficient (N-Octanol/Water)	Not available
Oxidising properties	Not available

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9.2. Other information

Not known.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

Highly volatile.

10.3. Possibility of hazardous reactions

Not available.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials To Avoid

No data available

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Skin contact

Skin irritation is not anticipated when used normally.

Eye contact

Spray and vapour in the eyes may cause irritation and smarting.

Health Warnings

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Arrhythmia, (deviation from normal heart beat).

Route of entry

Inhalation.

Target Organs

Central nervous system Respiratory system, lungs

Medical Symptoms

Narcotic effect. Vapours may cause drowsiness and dizziness.

Toxicological information on ingredients.

PROPAN-2-OL (CAS: 67-63-0)

Acute toxicity:

Acute Toxicity (Oral LD50)

5840 mg/kg Rat

Acute Toxicity (Dermal LD50)

16.4 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 10000 ppmV (gas) Rat

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N,N-DIMETHYL-PARA-TOLUIDINE (CAS: 99-97-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

1650 mg/kg Rat

Acute Toxicity (Inhalation LC50)

1.4 mg/l (vapours) Rat 4 hours

PETROLEUM GASES, LIQUEFIELD (CAS: 68476-85-7)

Acute toxicity:

Acute Toxicity (Inhalation LC50)

> 20 mg/l (vapours) Rat 4 hours

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity

Ecological information on ingredients.

PROPAN-2-OL (CAS: 67-63-0)

Acute Toxicity - Fish

LC50 96 hours 9640 mg/l Pimephales promelas (Fat-head Minnow)

Acute Toxicity - Aquatic Invertebrates

EC50 > 100 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours > 1000 mg/l Scenedesmus subspicatus

Acute Toxicity - Microorganisms

EC50 > 1000 mg/l Activated sludge

N,N-DIMETHYL-PARA-TOLUIDINE (CAS: 99-97-8)

96 hours 46-52 mg/l Pimephales promelas (Fat-head Minnow)

12.2. Persistence and degradability

Degradability

No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not available

12.4. Mobility in soil

Mobility:

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Make sure containers are empty before discarding (explosion risk). Do not puncture or incinerate even when empty. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

Kolor-Bond (UK) Limited - Activator 200/400ml Aerosol

14.1. UN number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper Shipping Name	AEROSOLS
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14.3. Transport hazard class(es)

ADR/RID/ADN Class	2
ADR/RID/ADN Class	Class 2: Gases
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
ICAO Subsidiary risk	2.1
Transport Labels	



14.4. Packing group

ADR/RID/ADN Packing group	N/A
ICAO Packing group	N/A

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS	F-D, S-U
Tunnel Restriction Code	(D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

Health and Safety at Work Act 1974. Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

EU Legislation

Dangerous Preparations Directive 1999/45/EC.

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15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date 23/01/2014

Revision 8

Supersedes date 06/07/2011

Risk Phrases In Full

R33 Danger of cumulative effects.
 R12 Extremely flammable.
 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R11 Highly flammable
 R36 Irritating to eyes.
 R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
 R67 Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H319 Causes serious eye irritation.
 H280 Contains gas under pressure; may explode if heated.
 H222 Extremely flammable aerosol.
 H220 Extremely flammable gas.
 H412 Harmful to aquatic life with long lasting effects.
 H225 Highly flammable liquid and vapour.
 H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.
 H336 May cause drowsiness or dizziness.
 H331 Toxic if inhaled.
 H301 Toxic if swallowed.
 H311 Toxic in contact with skin.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.