

PAINT REMOVER AEROSOL

No: 0019

Date: 22-04-2014

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COMPANY DETAILS:

Name:	Clarke Colours	Emergency Phone:	082892 5673
Address:	18 Simba Street Sebenza Edenvale	Telephone:	(011) 609 8340
		Fax:	(011) 452 3107

1. PRODUCT & COMPANY IDENTIFICATION:

Trade Name:	RB 10 Paint remover	CAS No:	Butane (Gas) Methylene Chloride Methanol Ethyl Acetate Paraffin wax	106-97-8 75-09-2 67-56-1 141-78-6 64742-43-4
Chemical Family:	Flammable Liquid			
Chemical Name:	Mixture			
Synonyms:		UN No:		

2. COMPOSITION:

Hazardous Components:

FLAMMABLE LIQUID
Butane (Gas) [106-97-8]
Methanol (liquid) [67-56-1]
Ethyl Acetate (liquid) [141-78-6]



EEC Classification:

Butane consists of two isomers, n-butane (CH₃CH₂CH₂CH₃) and iso-butane [(CH₃)₃CH]. Both isomers may be isolated separately, or can be available as a mixture. Both isomers exhibits similar hazards and are grouped as "butane." Butylene (C₄H₈) may be present, depending on the source.

R Phases: R12

R 12 - Extremely Highly flammable.

S-Phases: S9, S16, S33

S9 - Keep in well ventilated place.
S16 - Keep container away from sources of ignition
S33 - Take precautionary measures against static discharges.

METHYLENE CHLORIDE	49.4%	75-09-2	LIQUID
METHANOL	3.34%	67-56-1	LIQUID
ETHYL ACETATE	13.39%	141-78-6	LIQUID
WAX	0.9%	64742-43-4	LIQUID
BUTANE	32.97 %	106-97-8	GAS

3. HAZARD IDENTIFICATION COMPOSITION:

Main Hazard:	Extremely flammable gas. Normal butane and isobutane exhibit some degree of anesthetic action and, in the dog, are cardiac sensitizers at high concentrations. At high concentrations, butanes/butylenes are simple asphyxiants -
Flammability:	Extremely Flammable Gas. Butane -60 °C
Chemical Hazard:	None
Biological hazard:	No Information Available
Reproductive Hazard:	No Information Available
Health Effects: Eyes:	EYES In case of contact with eyes, flush eyes with large amounts of water for 15 minutes. Seek immediate medical attention.
Health Effects: Skin:	SKIN Remove contaminated clothing. Wash affected areas with soap and water, if irritation persists seek immediate medical attention.
Health Effects: Ingestion:	INGESTION Do not induce vomiting and seek immediate medical assistance.
Health Effects: Inhalation:	INHALATION Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.
Carcinogenicity:	No Information Available
Mutagenicity:	No Information Available
Neurotoxicity:	

4. FIRST AID MEASURES:

Product in Eye:	Check for and remove any contact lenses. Immediately flush the eyes with running water for at least 15 minutes, keep eyelids open. Cold water may be used. Get medical attention.
Product on Skin:	DO NOT use eye ointment. In the case of contact, flush the skin with plenty of water for at least 15 minutes while removing the contaminated clothing and shoes. Cold water may be used. Cover the irritated skin with an emollient. Cold water may be used. Wash clothes before reuse. Thoroughly clean shoes before reuse.
Product Ingested:	Be particularly careful to clean folds. Cervices, creases and groin. Get medical attention immediately. DO NOT induce vomiting . Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband.
Product Inhaled:	

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If not breathing apply artificial respiration. Get medical attention.

If inhaled, remove to fresh air. If not breathing apply artificial respiration. If breathing is laboured, give oxygen. Get medical attention immediately. **WARNING!** It may be hazardous to the person performing aid to give CPR when inhaled material is toxic, infectious or corrosive.

5. FIRE FIGHTING MEASURES:

Extinguishing media: **SMALL FIRE:** Use DRY chemical, CO₂, alcohol foam.
LARGE FIRE: Use alcohol foam. Cool containing vessels with water jet in order to prevent pressure build-up, auto ignition or explosion.

Special Hazards: Extremely flammable in the presence of open flames, sparks, of heat and oxidizing materials, poisons organic peroxides and radioactive materials. Risk of explosive in the presence of static discharge: Possible risk of explosive in the presence of mechanical impact

Protective Clothing: Wear MSHA/NIOSH self-contained respirator or equivalent and full protective gear.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions: Appropriate full body protection with respirator operating in positive or SCBA

Environmental Precautions:

Small Spillages: Stop the leak and remove the cylinder from the area. Ventilate the area and remove all sources of ignition. Dilute with water and a mop up, or absorb with inert dry material.

Large Spillages: Keep away from heat. Keep away from sources of Ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Be careful that the product is not present at a concentration level above TLV. Check TLV on MSDS and with the local authorities

7. HANDLING AND STORAGE:

Suitable Material: Store in a well ventilated area and keep the containers closed

Handling / Storage Precautions: Store labelled containers cool, dry well ventilated area.
* Out of direct sunlight
* Away from normal work areas
* Away from incompatible materials
* Use non-spark ventilation systems

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Occupational Exposure Limits:

CHEMICAL

TWA

STEL

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METHYLENE
CHLORIDE

TWA: 25 ppm

STEL: 125 mg/m³

BUTANE

TWA: 800 ppm

Engineering Control
Measures:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below their respective threshold limit values. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Respiratory protection:



Vapour and dust respirator. Be sure to use an MSHA/NIOSH approved respirator equivalent. Wear appropriate respirator when ventilation is inadequate.

Hand Protection:



Use rubber elbow length gloves while conducting decanting work

Eye Protection:



Wear chemical safety goggles as a general precaution.

Skin Protection:



Make use of a plastic apron to protect the clothes during a spillage

Other Protection:

Make use of safety shoes due to the weight of the drums

Safety Shower:



9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:

Liquid

Physical State:

Liquid

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Odour:	Strong odour. Odour threshold is approximately 125 ppm.
pH:	No Information Available
Boiling Point:	10.9°F (-11.7°C) @ 1 atm.
Melting Point:	-126.2°C (-195.2°F)
Flash Point:	Not determined
Flammability:	No Information Available
Auto Flammability:	Not determined
Explosive Properties:	LOWER EXPLOSIVE LIMIT UPPER EXPLOSIVE LIMIT
Oxidising Properties:	No Information Available
Vapour Pressure:	No Information Available
Vapour Density (Air-1)	> 1
Specific Gravity: (H ₂ O =1.0)	1.23 @ 32 °F (0 °C) @ 1 atm.
Solubility – Water:	Not Soluble
Solubility-Solvent:	Not Soluble
Solubility-Coefficient:	No Information Available
Evaporation Rate:	No Information Available

10. STABILITY AND REACTIVITY:

Conditions to Avoid:	Heat, ignition sources, mechanical shock, incompatible materials.
Incompatible Material:	Reactive with oxidising agents
Hazardous Decomposition Products:	No information available

11. TOXICOLOGICAL INFORMATION:

Acute Toxicity:	<i>Non-Established</i>
Chronic Toxicity:	Exposure can cause nausea, headache and vomiting
Carcinogenicity:	Methylene Chloride classified 2B (IARC), classified A2 (ACGIH)
Mutagenicity:	No Information Available

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Teratogenic Effects: No Information Available.

Reproductive Hazards: No Information Available

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity – Fish: Liquid release is only expected to cause localized, non-persistent environmental damage, such as freezing. Biodegradation of this product may occur in soil and water. Volatilization is expected to be the most important removal process in soil and water. This product is expected to exist entirely in the vapour phase in ambient air.

Aquatic Toxicity – Daphnia: No Information Available

Aquatic Toxicity – Algae: No Information Available

Biodegradability: No Information Available

No Information Available

Bio-accumulation:

No Information Available

Mobility:

No Information Available

German wgk:

13. DISPOSAL CONSIDERATION:

Disposal Methods: Absorb in vermiculite, dry sand, earth or similar material and dispose of in secured sanitary landfill. Prior to implementing land disposal of waste residue (including waste sludge), consult with environmental regulatory agencies for guidance on acceptable disposal practices.

Disposal of Packaging: No Information Available

14. TRANSPORTATION INFORMATION:

UN no:

Substance identity no: No Information Available.

ADR/RID class: Class 2.1

ADR/RID item no: No Information Available.

ADR/RID hazard identity no: No Information Available.

IMDG - shipping name: Aerosol paint remover

IMDG - class: Class 2.1

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IMDG - packaging group: **II**

IMDG - marine pollutant: **Yes**

IMDG - EMS no: **No Information Available.**

IMDG - MFAG table no: **No Information Available.**

IATA - shipping name: **No Information Available**

IATA - UN class: **Class 2.1**

IATA - subsidiary risk(s): **No Information Available.**

ADNR - class: **Class 2.1**

UK - description: **No Information Available.**

UK - emergency action class: **No Information Available.**

UK - classification: **No Information Available.**

Tremcard no: **No Information Available.**

15. REGULATORY INFORMATION:

EEC Hazard classification: **Extremely explosive and flammable**

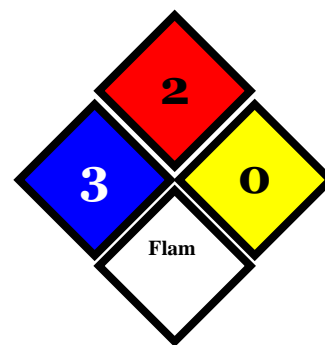
R Phases: **R 12 - Extremely Highly flammable.**

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National Legislation: **Occupational Health and Safety Act, 85 of 1993
Hazardous Chemical Substances Regulations**

16. OTHER INFORMATION:

FIRE HAZARD	HEALTH HAZARD
0 - Will not burn 1 - Combustible 2 - Ignite with heat 3 - Readily Ignitable 4 - Very	0 - Normal Materials 1 - Slightly Hazardous 2 - Hazardous 3 - Extreme Danger 4 - Deadly
REACTIVITY HAZARD	SPECIFIC HAZARDS
0 - Stable 1 - Unstable if heated 2 - Violent Chemical Change 3 - Shock & Heat may Detonate 4 - May Detonate	OXY - Oxidizer ACID - Acid ALK - Alkali COR - Corrosive FLAM - Flammable W- - Use no water



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TARGET ORGANS:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Safranin (Pty) Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

Prepared by:

Safranin (Pty)Ltd

P O Box 730

Springs

1560

Tel: 27 11 813 3659

Fax: 27 11 817 1108

E-Mail jgsr@absamail.co.za

Web- www.safranin.co.za