**SAFETY DATA SHEET**

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

# BUTANOX M-50

| Version: | Revision Date: | Language: | Date of last issue: | Date of first issue: |
|---|---|---|---|---|
| 3.0 | 18 NOV 2026 | GB/EN | 08.11.2021 | 29.04.2015 |

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

### 1.1 Product identifier

| | |
|---|---|
| **Trade name** | BUTANOX M-50 |

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

| | |
|---|---|
| **Use of the Substance/Mixture** | Curing agent |

### 1.3 Details of the supplier of the safety data sheet

| | |
|---|---|
| **Company** | **raeK Chemicals Ltd**<br>Plot 63, 8th Street, Namuwongo Rd, Industrial Area, Kampala, Uganda |
| **Telephone** | +256 751 241479 |
| **E-mail address of person responsible for the SDS** | sales@raekchemicals.com |

### 1.4 Emergency telephone number

| | |
|---|---|
| **Supplier Emergency Contact** | +256 751 241479 (raeK Chemicals Ltd) |

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567):**

| Hazard Class and Category | Hazard Statement |
|---|---|
| Organic peroxides, Type D | H242: Heating may cause a fire. |
| Acute toxicity, Category 4 | H302: Harmful if swallowed. |
| Acute toxicity, Category 4 | H332: Harmful if inhaled. |
| Skin corrosion, Sub-category 1B | H314: Causes severe skin burns and eye damage. |
| Serious eye damage, Category 1 | H318: Causes serious eye damage. |

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

**Hazard pictograms:** GHS02 (Flame), GHS05 (Corrosion), GHS07 (Exclamation mark) | **Signal word:** **DANGER**

| | |
|---|---|
| **Hazard statements** | H242: Heating may cause a fire.<br>H302 + H332: Harmful if swallowed or if inhaled.<br>H314: Causes severe skin burns and eye damage. |
| **Precautionary statements — Prevention** | P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P234: Keep only in original packaging.<br>P280: Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. |
| **Precautionary statements — Response** | P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.<br>P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.<br>P370 + P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish. |
| **Hazardous components which must be listed on the label** | Methyl ethyl ketone peroxide |

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures — Components

| Chemical name | CAS-No. / EC-No. / Index-No. | Classification | Concentration (% w/w) |
|---|---|---|---|
| Methyl ethyl ketone peroxide | CAS: 1338-23-4<br>EC: 215-661-2 | Org. Perox. A; H240; Acute Tox. 4; H302; Acute Tox. 4; H332; Skin Corr. 1B; H314; Eye Dam. 1; H318 | ≥ 30 – ≤ 37 |
| Methyl ethyl ketone | CAS: 78-93-3<br>EC: 201-159-0<br>Index: 606-002-00-3 | Flam. Liq. 2; H225; Eye Irrit. 2; H319; STOT SE 3; H336 (Central nervous system) | ≥ 1 – ≤ 3 |
| **Substances with a workplace exposure limit** | | | |
| Dimethyl phthalate | CAS: 131-11-3<br>EC: 205-011-6 | Not classified (Substances with a workplace exposure limit) | ≥ 55 – ≤ 70 |

For explanation of abbreviations see section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

| | |
|---|---|
| **General advice** | Immediate medical attention is required. Move out of dangerous area. Show this safety data sheet to the doctor in attendance. |
| **If inhaled** | If breathed in, move person into fresh air. Consult a physician after significant exposure. |
| **In case of skin contact** | Take off contaminated clothing and shoes immediately. Rinse immediately with plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. |

| | |
|---|---|
| **In case of eye contact** | Rinse with plenty of water. Get medical attention immediately. Continue to rinse during transport. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Small amounts splashed into eyes can cause irreversible tissue damage and blindness. |
| **If swallowed** | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Take victim immediately to hospital. Do not induce vomiting! May cause chemical burns in mouth and throat. |

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

| | |
|---|---|
| **Symptoms** | The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known. |
| **Risks** | Harmful if swallowed or if inhaled. Causes serious eye damage. Causes severe burns. |

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

| | |
|---|---|
| **Treatment** | Treat symptomatically. |

## SECTION 5: FIREFIGHTING MEASURES

| | |
|---|---|
| **5.1 Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **5.2 Specific hazards during firefighting** | CAUTION: reignition may occur. Supports combustion. Water spray may be ineffective unless used by experienced firefighters. Do not allow run-off from fire fighting to enter drains or water courses. Hazardous decomposition products formed under fire conditions. |
| **5.2 Hazardous combustion products** | Fire will produce smoke containing hazardous combustion products (see section 10). |
| **5.3 Special protective equipment for firefighters** | In the event of fire, wear self-contained breathing apparatus. |
| **5.3 Further information** | Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| **6.1 Personal precautions, protective equipment and emergency procedures** | Use personal protective equipment. Wear respiratory protection. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Evacuate personnel to safe areas. Only qualified personnel equipped with suitable protective equipment may intervene. Prevent unauthorised persons entering the zone. |
| **6.2 Environmental precautions** | Prevent product from entering drains. Discharge into the environment must be avoided. |
| **6.3 Methods and material for containment and cleaning up** | Soak up with inert absorbent material and dispose of as hazardous waste. Use only inert inorganic material such as vermiculite or perlite as absorbent. Keep mixture of absorbent material and spilled product wetted with water. Confinement must be avoided. Never return spills in original containers for re-use. |

| | |
|---|---|
| **6.4 Reference to other sections** | For disposal considerations see section 13. For personal protection see section 8. |

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

| | |
|---|---|
| **Advice on safe handling** | For personal protection see section 8. Avoid formation of aerosol. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations. |
| **Advice on protection against fire and explosion** | Use explosion protected equipment. Keep away from sources of ignition - No smoking. No sparking tools should be used. Keep away from reducing agents (e.g. amines), acids, alkalies and heavy metal compounds (e.g. accelerators, driers, metal soaps). Do not cut or weld on or near this container even when empty. Keep away from combustible material. |
| **Hygiene measures** | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. |
| **Temperature class** | It is recommended to use electrical equipment of temperature group T3. However, autoignition can never be excluded. |

### 7.2 Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| **Requirements for storage areas and containers** | No smoking. Electrical installations / working materials must comply with the technological safety standards. Keep only in original container. Store away from other materials. |
| **Further information on storage stability** | Maximum storage temperature is for quality only. |
| **Maximum storage temperature** | 25 °C |

### 7.3 Specific end use(s)

Consult the technical guidelines for the use of this substance/mixture.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters — Occupational Exposure Limits

| Components | CAS-No. | Value type (Form) | Control parameters | Basis |
|---|---|---|---|---|
| Dimethyl phthalate | 131-11-3 | TWA | 5 $mg/m^3$ | GB EH40 |
| | | STEL | 10 $mg/m^3$ | GB EH40 |
| Methyl ethyl ketone peroxide | 1338-23-4 | STEL | 0.2 ppm / 1.5 $mg/m^3$ | GB EH40 |
| Methyl ethyl ketone | 78-93-3 | TWA | 200 ppm / 600 $mg/m^3$ (Skin) | GB EH40 |
| | | STEL | 300 ppm / 899 $mg/m^3$ (Skin) | GB EH40 |

| Components | CAS-No. | Value type (Form) | Control parameters | Basis |
|---|---|---|---|---|
| STEL | 300 ppm / 900 mg/m$^3$ (Indicative) | 2000/39/EC | | |
| TWA | 200 ppm / 600 mg/m$^3$ (Indicative) | 2000/39/EC | | |

### Occupational exposure limits of decomposition products

| Components | CAS-No. | Value type | Control parameters | Basis |
|---|---|---|---|---|
| Formic acid | 64-18-6 | TWA | 5 ppm / 9.6 mg/m$^3$ | GB EH40 |
| | | TWA | 5 ppm / 9 mg/m$^3$ (Indicative) | 2006/15/EC |
| Organic acid | 64-19-7 | STEL | 20 ppm / 50 mg/m$^3$ | GB EH40 |
| | | TWA | 10 ppm / 25 mg/m$^3$ | GB EH40 |
| | | TWA | 10 ppm / 25 mg/m$^3$ (Indicative) | 2017/164/EU |
| | | STEL | 20 ppm / 50 mg/m$^3$ (Indicative) | 2017/164/EU |
| Fatty acid | 79-09-4 | STEL | 15 ppm / 46 mg/m$^3$ | GB EH40 |
| | | TWA | 10 ppm / 31 mg/m$^3$ | GB EH40 |
| | | STEL | 20 ppm / 62 mg/m$^3$ (Indicative) | 2000/39/EC |
| | | TWA | 10 ppm / 31 mg/m$^3$ (Indicative) | 2000/39/EC |
| Methyl ethyl ketone | 78-93-3 | TWA | 200 ppm / 600 mg/m$^3$ (Skin) | GB EH40 |
| | | STEL | 300 ppm / 899 mg/m$^3$ (Skin) | GB EH40 |
| | | STEL | 300 ppm / 900 mg/m$^3$ (Indicative) | 2000/39/EC |
| | | TWA | 200 ppm / 600 mg/m$^3$ (Indicative) | 2000/39/EC |

### Biological occupational exposure limits

| Substance name | CAS-No. | Control parameters | Sampling time | Basis |
|---|---|---|---|---|
| Methyl ethyl ketone | 78-93-3 | butan-2-one: 70 micromol per litre (Urine) | After shift | GB EH40 BAT |

### 8.2 Exposure controls

| | |
|---|---|
| **Engineering measures** | Explosion proof ventilation recommended. Effective exhaust ventilation system. Ensure that eyewash stations and safety showers are close to the workstation location. |
| **Eye/face protection** | Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems. |
| **Hand protection** | **Material:** Neoprene, Nitrile rubber, or butyl-rubber \| **Break through time:** ≥ 480 min \| **Glove thickness:** 0.5 mm.<br>*Remarks:* Breakthrough time is not determined for the product. Change gloves often! The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. |
| **Skin and body protection** | Protective suit |
| **Respiratory protection** | In the case of vapour or aerosol formation use a respirator with an approved filter. Filter A. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance / Colour** | Clear liquid / colourless |
| **Odour / Odour Threshold** | Faint. / No data available |
| **pH / Melting point** | Not applicable / No data available |
| **Boiling point/boiling range** | Decomposes below the boiling point. |
| **Flash point** | Above the SADT value. No flash point was obtained, but the product may release flammable vapour. |
| **Evaporation rate / Explosion limits** | No data available |
| **Vapour pressure / Relative vapour density** | 1 hPa (84 °C) / No data available |
| **Relative density / Bulk density** | 1.180 (20 °C) / Not applicable |
| **Water solubility** | partly miscible (20 °C) |
| **Solubility in other solvents** | Miscible with: Phthalates (20 °C) |
| **Partition coefficient: n-octanol/water** | No data available |
| **Auto-ignition temperature** | Test method not applicable |
| **Decomposition temperature** | SADT - (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the SADT. Contact with incompatible substances can cause decomposition below the SADT. |
| **Viscosity, dynamic / kinematic** | 24 mPa.s (20 °C) / 20.34 $mm^2/s$ (20 °C) |
| **Explosive / Oxidizing properties** | Not explosive / Not classified as oxidising. |

### 9.2 Other information

| | |
|---|---|
| **Self-Accelerating decomposition temperature (SADT)** | 60 °C |
| **Flammability (liquids)** | Decomposition products may be flammable. |
| **Active Oxygen Content / Organic peroxides** | 8.8–9.0% / 30–37% |

## SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| **10.1 Reactivity** | Stable under normal conditions. |
| **10.2 Chemical stability** | Stable under recommended storage conditions. |
| **10.3 Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **10.4 Conditions to avoid** | Confinement must be avoided. Heat, flames and sparks. |
| **10.5 Incompatible materials** | Contact with the following incompatible materials will result in hazardous decomposition: Acids and bases, Iron, Copper, Reducing agents, Heavy metals, Rust. Do not mix with peroxide accelerators, unless under controlled processing. Use only stainless steel 316, PP, polyethylene or glass-lined equipment. For queries regarding the suitability of other materials please contact the supplier. |
| **10.6 Hazardous decomposition products** | No decomposition if stored and applied as directed.<br>**Hazardous decomposition products:** Carbon oxides, Formic acid, Organic acid, Fatty acid, Methyl ethyl ketone.<br>**Thermal decomposition / SADT:** 60 °C (Self accelerating decomposition temperature). |

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

| | |
|---|---|
| **Acute toxicity (Product)** | Harmful if swallowed or if inhaled.<br>**Acute oral toxicity:** LD50 Oral (rats): 1,017 mg/kg (Method: OECD Test Guideline 401)<br>**Acute inhalation toxicity:** LC50 (Rat): 1.5 mg/l (Exposure time: 4 h; Test atmosphere: dust/mist)<br>**Acute dermal toxicity:** LD50 (Rabbit): 4,000 mg/kg (Method: OECD Test Guideline 402) |
| **Acute toxicity (Components)** | **Methyl ethyl ketone peroxide:** LD50 Oral (Rat, male): 1,017 mg/kg (OECD 401); LC50 Inhalation (Rat, male/female): 1.5 mg/l, 4 h, dust/mist (OECD 403, GLP: no); LD50 Dermal (Rabbit, male/female): 4,000 mg/kg (OECD 402).<br>**Methyl ethyl ketone:** LD50 Oral (Rat): 2,737 mg/kg; LD50 Dermal (Rabbit): 6,480 mg/kg.<br>**Dimethyl phthalate:** LD50 Oral (Rat): > 5,000 mg/kg; Inhalation: no acute inhalation toxicity; LD50 Dermal (Rabbit): > 10,000 mg/kg. |
| **Skin corrosion/irritation** | **Product:** Causes severe burns. Species: Rabbit; Assessment: Category 1B (Tested according to Annex V of Directive 67/548/EEC).<br>**Components:** Methyl ethyl ketone peroxide: Causes burns. Methyl ethyl ketone: Repeated exposure may cause skin dryness or cracking; moderately irritating. Dimethyl phthalate: slight irritation. |

| | |
|---|---|
| **Serious eye damage/eye irritation** | **Product:** Causes serious eye damage. Species: Rabbit (Tested according to Annex V of Directive 67/548/EEC).<br>**Components:** Methyl ethyl ketone peroxide: Risk of serious damage to eyes. Methyl ethyl ketone: Irritating to eyes. Dimethyl phthalate: Slightly irritating to eyes. |
| **Respiratory or skin sensitisation** | Not classified based on available information. Methyl ethyl ketone peroxide: Does not cause skin sensitisation. |
| **Germ cell mutagenicity** | Not classified based on available information. Methyl ethyl ketone peroxide — Genotoxicity in vitro (Ames test): negative. Genotoxicity in vivo: Not classified due to data which are conclusive although insufficient for classification. |
| **Carcinogenicity** | Not classified based on available information. Methyl ethyl ketone peroxide: No data available. |
| **Reproductive toxicity** | Not classified based on available information. Methyl ethyl ketone peroxide — Effects on fertility (Rat, male/female, Oral, Dose: 0, 25, 50, 75 mg/kg): NOAEL Parent: 50 mg/kg bw/day; NOAEL F1: 50 mg/kg bw/day; Fertility NOAEL Parent: 75 mg/kg bw/day (OECD Test Guideline 421, GLP: yes). |
| **STOT - single & repeated exposure** | **Single exposure:** Product not classified. Methyl ethyl ketone (Inhalation): Classified as STOT SE Category 3 with narcotic effects.<br>**Repeated exposure:** Not classified based on available information. |
| **Aspiration toxicity & Further info** | Not classified based on available information. No further data available. |

## SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|---|
| **12.1 Toxicity (Product)** | **Fish:** LC50 (Poecilia reticulata (guppy)): 44.2 mg/l (96 h, semi-static test)<br>**Daphnia/aquatic invertebrates:** EC50 (Daphnia magna): 39 mg/l (48 h, Immobilization, GLP: yes)<br>**Algae/aquatic plants:** ErC50 (Pseudokirchneriella subcapitata): 5.6 mg/l (72 h, Growth inhibition)<br>**Microorganisms:** EC10 (activated sludge): 12 mg/l (0.5 h, Respiration inhibition, Domestic OECD Guideline 209) |
| **12.1 Toxicity (Components)** | **Methyl ethyl ketone peroxide:** LC50 (guppy, 96 h): 44.2 mg/l; NOEC (guppy, 96 h): 18 mg/l (OECD 203); EC50 (Daphnia magna, 48 h): 39 mg/l; NOEC (Daphnia magna, 24 h): 26.7 mg/l (OECD 202); ErC50 (algae, 72 h): 5.6 mg/l; NOEC (algae, 72 h): 2.1 mg/l (OECD 201); EC50 (activated sludge, 0.5 h): 48 mg/l; EC10: 12 mg/l (OECD 209).<br>**Methyl ethyl ketone:** LC50 (Lepomis macrochirus, 96 h): 3,220 mg/l.<br>**Dimethyl phthalate:** LC50 (Lepomis macrochirus, 96 h): 420 mg/l; EC10 (Desmodesmus subspicatus, 72 h): 193.09 mg/l; ErC50 (72 h): 259.76 mg/l (OECD 201); Chronic Fish NOEC (Oncorhynchus mykiss, 102 d): 11 mg/l; Chronic Daphnia NOEC (21 d, reproduction): 9.6 mg/l.<br>**Ecotoxicology Assessment:** Acute aquatic toxicity: Harmful to aquatic life. |
| **12.2 Persistence and degradability** | **Methyl ethyl ketone peroxide:** Readily biodegradable (Closed Bottle test).<br>**Methyl ethyl ketone:** Readily biodegradable.<br>**Dimethyl phthalate:** Readily biodegradable (Biodegradation: 93–98%). |

| | |
|---|---|
| **12.3 Bioaccumulative potential** | **Methyl ethyl ketone peroxide:** BCF: 10.3; log Pow: < 2.04 (25 °C, OECD 117).<br>**Methyl ethyl ketone:** log Pow: 0.29.<br>**Dimethyl phthalate:** BCF: 5.4 (Fish, 1 d); log Pow: 2.12. |
| **12.4 Mobility in soil** | No data available |
| **12.5 Results of PBT and vPvB assessment** | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
| **12.6 Other adverse effects** | **Endocrine disrupting potential:** Does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.<br>**Additional ecological information:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life. |

## SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|---|---|
| **13.1 Waste treatment methods — Product** | The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local regulation. |
| **13.1 Contaminated packaging** | Empty remaining contents. Dispose of as unused product. Do not burn, or use a cutting torch on, the empty drum. Due to the high risk of contamination recycling/recovery is not recommended. Follow all warnings even after the container is emptied. |

## SECTION 14: TRANSPORT INFORMATION

| Mode | 14.1 UN No. | 14.2 UN Proper Shipping Name | 14.3 Class | 14.4 Packing Group / Details |
|---|---|---|---|---|
| **ADR** | UN 3105 | ORGANIC PEROXIDE TYPE D, LIQUID (Methyl ethyl ketone peroxide) | 5.2 | PG: Not assigned \| Code: P1 \| Labels: 5.2 \| Tunnel: (D) \| Env. haz.: no |
| **RID** | UN 3105 | ORGANIC PEROXIDE TYPE D, LIQUID (Methyl ethyl ketone peroxide) | 5.2 | PG: Not assigned \| Code: P1 \| HIN: 539 \| Labels: 5.2 \| Env. haz.: no |
| **IMDG** | UN 3105 | ORGANIC PEROXIDE TYPE D, LIQUID (Methyl ethyl ketone peroxide) | 5.2 | PG: Not assigned \| Labels: 5.2 \| EmS: F-J, S-R \| Marine pollutant: no |
| **IATA** | UN 3105 | Organic peroxide type D, liquid (Methyl ethyl ketone peroxide) | 5.2 | Cargo & Pass. PI: 570 \| PG: Not assigned \| Labels: Organic Peroxides, Keep Away From Heat |

**14.6 Special precautions for user:** The transport classification(s) provided herein are for informational purposes only. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Not applicable for product as supplied.

## SECTION 15: REGULATORY INFORMATION

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

| | |
|---|---|
| **UK REACH List of restrictions (Annex 17)** | Conditions of restriction for the following entries should be considered: Number on list 3 |
| **UK REACH SVHC / POPs / Ozone / Annex XIV / PIC** | Not applicable |
| **COMAH Regulations 2015** | P6b: SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES |
| **Other regulations** | Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC. Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work. |
| **Chemical Inventories** | **TCSI, ENCS, ISHL, KECI, PICCS, IECSC, NZIoC, TECI:** On the inventory, or in compliance with the inventory.<br>**TSCA:** All substances listed as active on the TSCA inventory.<br>**AIIC:** All components are listed on the inventory, regulatory obligations/restrictions apply.<br>**DSL:** All components of this product are on the Canadian DSL. |

### 15.2 Chemical safety assessment

**Methyl ethyl ketone peroxide:** A Chemical Safety Assessment has been carried out for this substance.

## SECTION 16: OTHER INFORMATION

### Full text of H-Statements

**H225:** Highly flammable liquid and vapour. | **H240:** Heating may cause an explosion. | **H302:** Harmful if swallowed. | **H314:** Causes severe skin burns and eye damage. | **H318:** Causes serious eye damage. | **H319:** Causes serious eye irritation. | **H332:** Harmful if inhaled. | **H336:** May cause drowsiness or dizziness.

### Classification of the mixture & Classification procedure

| Classification of the mixture | Classification procedure |
|---|---|
| Org. Perox. D — H242 | Based on product data or assessment |
| Acute Tox. 4 — H302 | Based on product data or assessment |
| Acute Tox. 4 — H332 | Based on product data or assessment |
| Skin Corr. 1B — H314 | Calculation method |
| Eye Dam. 1 — H318 | Based on product data or assessment |

## Full text of other abbreviations

**Acute Tox.:** Acute toxicity; **Eye Dam.:** Serious eye damage; **Eye Irrit.:** Eye irritation; **Flam. Liq.:** Flammable liquids; **Org. Perox.:** Organic peroxides; **Skin Corr.:** Skin corrosion; **STOT SE:** Specific target organ toxicity single exposure; **2000/39/EC, 2006/15/EC, 2017/164/EU:** Europe Indicative occupational exposure limit values; **GB EH40:** UK. EH40 WEL - Workplace Exposure Limits; **GB EH40 BAT:** UK. Biological monitoring guidance values; **TWA:** Long-term exposure limit (8-hour TWA reference period); **STEL:** Short-term exposure limit (15-minute reference period); **ADN / ADR / RID / IMDG / IATA / ICAO / MARPOL / IBC:** International transport regulations; **AIIC / DSL / ENCS / IECSC / ISHL / KECI / NZIoC / PICCS / TCSI / TECI / TSCA:** National/regional chemical inventories; **ASTM / DIN / ISO / OECD:** Testing standards; **bw:** Body weight; **CLP / GHS:** Classification, Labelling and Packaging / Globally Harmonized System; **CMR:** Carcinogen, Mutagen or Reproductive Toxicant; **ECHA / REACH / SVHC:** European Chemicals Agency / REACH Regulation / Substance of Very High Concern; **EC50 / ErC50 / IC50 / LC50 / LD50 / NO(A)EC / NO(A)EL / NOELR:** Ecotoxicity & toxicology endpoints; **EmS:** Emergency Schedule; **GLP:** Good Laboratory Practice; **IARC:** International Agency for Research on Cancer; **PBT / vPvB:** Persistent, Bioaccumulative and Toxic / Very Persistent and Very Bioaccumulative; **(Q)SAR:** (Quantitative) Structure Activity Relationship; **SADT:** Self-Accelerating Decomposition Temperature; **SDS:** Safety Data Sheet; **UN / UNRTDG:** United Nations Recommendations on the Transport of Dangerous Goods.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**raeK Chemicals Ltd • Plot 63, 8th Street, Namuwongo Rd, Industrial Area, Kampala, Uganda • Tel: +256 751 241479 • Email: sales@raekchemicals.com**