Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CERFACE Energiser

Manufacturer : Auto Klene Solutions Australia Pty Ltd

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Web site : www.autoklene.com **Issue Date :** 03/03/2025

2. HAZARDS IDENTIFICATION

Globally Harmonized System of Classification and Label ling of Chemicals (GHS) Flammable liquids : 3

Skin corrosion/irritation : 2

Severe eye damage/eye irritation : 2

Specific target organ toxicity(Central nervous system) : 3

Label elements including precautionary statements

Symbol :



Signal word : Warning

Hazard statements :

-H313 : May cause skin irritation.

-H320 : Causes eye irritation.

Precautionary statements : Prevention

-P201 : Keep container tightly closed.

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-p260 : Do not breathedust/fume/gas/mist/vapours/spray.

-p264 : Wash hands thoroughly after handling

-p270 : Do not eat, drink or smoke when using this product.

-p271 : Use only outdoors or in a well-ventilated area.

-p281 : Use personal protective equipment as required.

Response

- P302+P352 : IF ON SKIN : Wash with plenty of soap and water.

-P303+P361+P353 : IF ON SKIN(or hair):Remove/Take off immediately all contaminated clothing Rinse skin with water/shower.

- P304+ P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

- P308+ P313 : IF exposed or concerned: Get medical advice/attention. **- P314 :** Get medical advice/attention if you feel unwell.

- P332+P313 : If skin irritation occurs : Get medical advice /attention. **-p362 :** Take off contaminated clothing and wash before reuse.

Storage

-P403+P235 : Store in a well-ventilated place. Keep cool.

-P405 : Store locked up.

Disposal

-P501 : Dispose of contents/container to(in accordance with local/regional/national/international Regulation).

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3. COMPOSITION ON INGREDIENTS

INDREDIENT	C.A.S. No.	%by Wt
Triethoxyoctylsilane	**2943-75-1**	**<3%**
Ethanol	**64-17-5**	**<1%**

Balance consists of proprietary non hazardous material

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4. FIRST AID MEASURES

FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact : Flush eyes with large amount of water. If signs/symptoms persist, get medical attention.

Skin Contact : Wash affected area with soap and water. If signs/symptoms develop, get medical attention

Inhalation : Remove person to fresh air. Get immediate medical attention.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention

5. FIRE FIGHTING MEASURES

Suitable extinguishing media :

SMALL FIRE : Use dry chemicals,CO2,water spray or alcohol-resistant foam.

LARGE FIRE : Use water spray, water fog or alcohol-resistant foam.

Flash Point : No Data Available.

Auto ignition temperature : No Data Available.

Flammable Limit – LEL : No Data Available

Flammable Limit – UEL : No Data Available **Specific hazards**

arising from the chemical :

Thermal decomposition may produce carbon monoxide and other toxic vapors.

Special protective equipment and precautions for firefighters :

Wear an approved positive pressure self-contained breathing apparatus and firefighter turnout gear.

Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source,

Vapors can burn in open or explode if confined. Vapors may be heavier than air, May travel long

Distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be Combustible at temperatures below flash point. Fight fire from a safe distance/protected location.

Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of

Burns/injuries. Use water sprat/fog for cooling. Avoid frothing/steam explosion. Burning liquid may floatwater. Although water soluble, may not be practical to extinguish fire by water dilution,.Notify Authorities immediately if liquid enters sewer/public waters.

6. ACCIDENTAL RELEASE MEASURES

Measures matters and protective equipment in order to protect the human body

Please avoid the inhalation (dust, gas, mist, vapor, spray) a.

Please follow the precautions.

Please isolate the contaminated areas.

Do not enter people who do not meet the protective equipment.

All of the ignition source, please remove

Please do not touch the hand to the damaged containers or spilled material without having to wear the appropriate protective clothing.

Environmental protection preventive measures

Please do not discharge to the environment.

Enclosed space (waterway, sewage, underground) please to prevent the inflow of from.

How cleanup and removal

Please put it in a container of science waste to absorb that flooded with inert material (eg dry sand or earth).

Please the liquid has been absorbed to contaminate the area washed with detergent and water.

Please make a groove and far with a large amount of leakage when the liquid spilled material.

A small amount of leakage at the sand, please put it in a container to absorb a non-combustible material

7. HANDLING AND STORAGE

HANDLING

Avoid breathing gas. Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Do not enter confined spaces unless adequately ventilated.

STORAGE

Do not apply direct flame to cylinder. Do not store cylinder in direct sun or expose it to heat above 120F. Do not drop or refill this cylinder. Keep away from heat. Sparks and flames.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

After Using, use with appropriate local exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT(PPE)

Eye/Face Protection

Avoid eye contact with vapors, mist, or spray

The following eye protections are recommended : Safety Glasses with side shields

Skin Protection

Avoid skin contact.

Respiratory Protection

Avoid breathing gas..

Prevention of Swallowing

Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade : Sweet odor, Orange color, Liquid

General Physical Form : Liquid

Auto ignition temperature : Not applicable

Flash Point : Not applicable

Boiling point : Not applicable

Flammable Limit – LEL : Not applicable

Flammable Limit – UEL : Not applicable

Viscosity: Not applicable

Vapor Pressure : Not applicable

Specific Gravity : 0.9-1.0 [Water=1] **pH**

: 6.5-7.5

Melting Point : 0℃

Solubility in Water : Soluble

10. STABILITY AND REACTIVITY

Stability : Stable by Heat

Hazardous Polymerization : will not occur

Hazardous decomposition or by-products : Thermal decomposition products include hydrogen fluoride, hydrogen chloride, carbon monoxide, carbon dioxide and chloride.

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposures.

Inhalation exposure: Irritation, headache, sleepiness, dizziness, orientation loss.

Ingestion exposure: Irritation,vomiting, headache, dizziness, orientation loss, pulmonary congestion.

Skin exposure: May cause slight skin irritation. The liquid defats the skin. **Eye exposure:** May cause slight eye irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information : Not determined.

Chemical fate Information : Not determined..

13. DISPOSAL CONSIDERATIONS

Recover, reclaim or recycle when practical. Dispose of in accordance with federal. State and local regulations.

14. TRANSPORT INFORMATION

TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

Not classified as supporting combustion according to the transport regulations. **Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping.

Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and Rules.

15. REGULATORY INFORMATION

No data available

16. OTHER INFORMATION

Auto Klene makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade.