EcoBurner Fuel

accordin□ to Safewor□ Australia

Date of Issue: 11/11/2015 Revision Date: 08/03/2016 Version 1.2

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

1.1. Identification

□roduct form : Mi□ture

□roduct name : EcoBurner Fuel

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

□se of the su□stance/mi□ture : For use ONL□ in re□fill of EcoBurner□as directed □□EcoBurner Ltd. Directions for use □rovided in "EcoBurner □uic□ Start □uide." □se onl□with a□□roved EcoBurner Devices.

□se of the su□stance/mi□ture : Fuel

1.3. Details of the supplier of the safety data sheet

EcoBurner□Ltd.
□nit 5 Airside□□ulf Stream Avenue
Air□ort □usiness □ar□
Waterford□
T +353 □0□51 353806 □F +353 □0□51 36406□
info□ ecoburner.com □www.eco□urner.com

Ta□le Direct
24 Harries Road
Coor□aroo□□LD 4151□Australia
T +1300 822 533
www.ta□ledirect.com.au

1.4. Emergency telephone number

Emer□enc□ num□er: NCEC Carechem Australia: +61 2 8014 4558
New Zealand: +64 9 929 1483

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Flam. Aerosol 1 H222 □ E□tremel□flamma□le aerosol
Com□ressed □as H280 □ Contains □as under □ressure□ma□e□□lode if heated

Full te□t of H□statements: see section 16

2.2. Label elements

GHS labelling

Ha□ard □icto□rams □□HS□ :

□HS02 □HS04

Si□nal word □□HS□ : Dan□er

Ha□ard statements □□HS□ : H222 □E□tremel□flamma□le aerosol
H280 □Contains □as under □ressure□ma□e□□lode if heated

□recautionar□statements □□HS□ : □210 □□ee□ awa□from heat□o□en flames□s□ar□s. □No smo□in□
□211 □Do not s□ra□on an o□en flame or other i□nition source
□251 □□ressuri□ed container: Do not □ierce or □urn□even after use
□410+□403 □□rotect from sunli□ht. Store in a well□ventilated □lace
□410+□412 □□rotect from sunli□ht. Do not e□□ose to tem□eratures e□ceedin□ 50 □C/122 □F

2.3. Other hazards

No additional information availa□le

2.4. Unknown acute toxicity (GHS)

Not a□□lica□le

SECTION 3: Composition/information on ingredients

3.1. Substance

Not a□□lica□le

3.2. Mixture

Name	Product identifier	%	GHS classification
n□□utane	□CAS No□106□9□□8	□0 □90	Flam. □as 1□H220
□ro□ane	□CAS No□□4□98□6	10 □30	Flam. □as 1□H220
Iso□utane	□CAS No□□5□28□5	1 □5	Flam. □as 1□H220

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

Full te□t of H□statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First□aid measures □eneral : Never □ive an□thin□ □□mouth to an unconscious □erson. If □ou feel unwell□see□medical advice □show the la□el where □ossi□le□.

First□aid measures after inhalation : Remove victim to fresh air and □ee□ at rest in a □osition comforta□le for □reathin□. Artificial res□iration and/or o□□□en if necessar□. Call a □OISON CENTER or doctor/□h□sician.

First□aid measures after s□in contact : Thaw frosted □arts with lu□ewarm water. Do not ru□ affected area. □et medical advice/attention.

First□aid measures after e□e contact : Direct contact with the e□es is li□el□to □e irritatin□.

First□aid measures after in□estion : Not e□□ected to □resent a si□nificant in□estion ha□ard under antici□ated conditions of normal use.

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

S□m□toms/in□uries after inhalation : In hi□h concentrations : Anesthetic effects. Shortness of □reath. Inhalation of va□ours ma□ cause res□irator□ irritation. Headache. Di□□iness. Nausea.

S□m□toms/in□uries after s□in contact : Ma□ cause moderate irritation. Ra□id eva□oration of the li□uid ma□ cause frost□ite.

S□m□toms/in□uries after e□e contact : This □as is non□irritatin□□□ut direct contact with li□uefied/□ressuri□ed □as or frost □articles ma□ □roduce severe and □ossi□l□ □ermanent e□e dama□e from free□e □urns.

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

Treat s□m□tomaticall□.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suita□le e□tin□uishin□ media : Car□on dio□ide. Dr□ chemical. Foam. Water s□ra□. Water fo□.

□nsuita□le e□tin□uishin□ media : Do not use a heav□ water stream.

5.2. Special hazards arising from the substance or mixture

Fire ha□ard : E□tremel□ flamma□le aerosol.

E□□losion ha□ard : Heat ma□ □uild □ressure□ru□turin□ closed containers□s□readin□ fire and increasin□ ris□ of □urns and in□uries.

Reactivit□ : No dan□erous reactions □nown.

5.3. Advice for firefighters

□recautionar□ measures fire : Sto□ lea□ if safe to do so.

Firefi□htin□ instructions : DO NOT fi□ht fire when fire reaches e□□losives. Evacuate area.

□rotection durin□ firefi□htin□ : Do not enter fire area without □ro□er □rotective e□ui□ment□includin□ res□irator□ □rotection. □se self□contained □reathin□ a□□aratus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

□eneral measures : No o□en flames. No smo□in□. Isolate from fire□if □ossi□le□without unnecessar□ ris□. Remove i□nition sources. □se s□ecial care to avoid static electric char□es.

6.1.1. For non-emergency personnel

□rotective e□ui□ment : Do not □reathe aerosol. Refer to section 8.2.

Emer□enc□ □rocedures : Sto□ lea□□ if □ossi□le without ris□. □ee□ u□wind. Evacuate unnecessar□ □ersonnel.

6.1.2. For emergency responders

□rotective e□ui□ment : Do not □reathe aerosol. Refer to section 8.2.

Emer□enc□ □rocedures : Sto□ lea□ if safe to do so. Eliminate ever□ □ossi□le source of i□nition. Evacuate unnecessar□ □ersonnel. □ee□ u□wind.

6.2. Environmental precautions

Notif□ authorities if □roduct enters sewers or □u□lic waters. Do not dischar□e into drains or the environment.

6.3. Methods and material for containment and cleaning up

For containment : Eliminate all i□nition sources.

Methods for cleanin□ u□ : Notif□ environmental authorities.

6.4. Reference to other sections

Section 13: dis□osal information. Section □: safe handlin□. Section 8: □ersonal □rotective e□ui□ment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional ha□ards when □rocessed : Handle em□t□ containers with care □ecause residual va□ours are flamma□le. □ressuri□ed container: Do not □ierce or □urn□even after use.

□recautions for safe handlin□ : Do not s□ra□on an o□en flame or other i□nition source.

H□□iene measures : Wash hands and other e□□osed areas with mild soa□ and water □efore eatin□□drin□in□ or smo□in□ and when leavin□ wor□. Do not eat□drin□ or smo□e when usin□ this □roduct.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Avoid static electricit□ dischar□es. No flames□no s□ar□s. Eliminate all sources of i□nition.

Stora□e conditions : Do not e□□ose to tem□eratures e□ceedin□ 50 □C/ 122 □F. □ee□ in fire□roof □lace.

Incom□ati□le materials : Heat sources. Direct sunli□ht.

Stora□e area : Store in dr□□cool□well□ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

n-Butane (106-97-8)		
Australia	TWA □□□m□	800 □□m
Australia	TWA □m□/m³□	1900 m□/m³

8.2. Exposure controls

A□□ro□riate en□ineerin□ controls : □rovide local e□haust or □eneral room ventilation.

□ersonal □rotective e□ui□ment : Avoid all unnecessar□ e□□osure. Accidental release of the contents: avoid lea□s.

Hand □rotection : None under normal use. It is a □ood industrial h□□iene □ractice to minimi□e s□in contact. In case of re□eated or □rolon□ed contact wear □loves. Insulated □loves.

E□e □rotection : None under normal use. In case of s□lashin□ or aerosol □roduction: □rotective □o□□les.

Res□irator□ □rotection : No s□ecial res□irator□ □rotection e□ui□ment is recommended under normal conditions of use with ade□uate ventilation. In case of inade□uate ventilation wear res□irator□ □rotection. □se self□contained □reathin□ a□□aratus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

□h□sical state : □as

A□□earance : Aerosol.

Colour : Colourless

Odour : Sweet □etroleum

Odour threshold : No data availa□le

□H : No data availa□le

Meltin□ □oint : No data availa□le

Free□in□ □oint : No data availa□le

□oilin□ □oint : □42.2 □□0.5 □C □□1.1 □31.1 □F□

Flash □oint : □104.4 □C □□156 □F □estimated□□

Relative eva□oration rate □□ut□ acetate□1□ : No data availa□le

Relative eva□oration rate □ether□1□ : □ 1

Flamma□ilit□ □solid□□as□ : No data availa□le

E□□losive limits : No data availa□le

E□□losive □ro□erties : No data availa□le

O□idisin□ □ro□erties : No data availa□le

Va□our □ressure : 40 □SI□ □ □0 □F

Relative densit□	:	0.56□
Relative va□our densit□ at 20 □C	:	1.886
Solu□ilit□	:	Water: 0.008 □ □ □0 □F
Lo□ □ow	:	No data availa□le
Auto□i□nition tem□erature	:	No data availa□le
Decom□osition tem□erature	:	No data availa□le
Viscosit□	:	0.084 □0.14 c□ li□uid
Viscosit□□□inematic	:	No data availa□le
Viscosit□□d□namic	:	No data availa□le

9.2. Other information

VOC content : 100 □

SECTION 10: Stability and reactivity

10.1. Reactivity

No dan□erous reactions □nown.

10.2. Chemical stability

E□tremel□ flamma□le aerosol. Contains □as under □ressure□ma□ e□□lode if heated. E□treme ris□ of e□□losion □□ shoc□□friction□fire or other sources of i□nition.

10.3. Possibility of hazardous reactions

Ha□ardous □ol□meri□ation will not occur.

10.4. Conditions to avoid

Heat. S□ar□s. O□en flame. Direct sunli□ht. Overheatin□.

10.5. Incompatible materials

Stron□ o□idi□ers. Al□ali. Stron□ mineral acids.

10.6. Hazardous decomposition products

Car□on mono□ide. Mi□ture of h□drocar□ons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Li□el□routes of e□□osure	:	Inhalation□S□in and e□e contact
Acute to□icit□	:	Not classified
S□in corrosion/irritation	:	Not classified
Serious e□e dama□e/irritation	:	Not classified
Res□irator□or s□in sensitisation	:	Not classified
□erm cell muta□enicit□	:	Not classified
Carcino□enicit□	:	Not classified
Re□roductive to□icit□	:	Not classified
S□ecific tar□et or□an to□icit□ □sin□le e□□osure□	:	Not classified
S□ecific tar□et or□an to□icit□ □re□eated e□□osure□	:	Not classified
As□iration ha□ard	:	Not classified
S□m□toms/in□uries after inhalation	:	In hi□h concentrations : Anesthetic effects. Shortness of □reath. Inhalation of va□ours ma□ cause res□irator□irritation. Headache. Di□□iness. Nausea.
S□m□toms/in□uries after s□in contact	:	Ma□cause moderate irritation. Ra□id eva□oration of the li□uid ma□cause frost□ite.
S□m□toms/in□uries after e□e contact	:	This □as is non□irritatin□□□ut direct contact with li□uefied/□ressuri□ed □as or frost □articles ma□ □roduce severe and □ossi□l□ □ermanent e□e dama□e from free□e □urns.

SECTION 12: Ecological information

12.1. Toxicity

No additional information availa□le

12.2. Persistence and degradability

No additional information availa□le

12.3. Bioaccumulative potential

No additional information availa□le

12.4. Mobility in soil

No additional information availa□le

12.5. Other adverse effects

No additional information availa□le

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewa□e dis□osal recommendations : Do not dis□ose of waste into sewer.

Waste dis□osal recommendations : Container under □ressure. Do not drill or □urn even after use. Dis□ose in a safe manner in accordance with local/national re□ulations.

Additional information : Flamma□le va□ours ma□accumulate in the container.

SECTION 14: Transport information

Australia Dangerous Goods (ADG) Code

In accordance with AD□

□N□No. : □N1950

□ro□er Shi□□in□ Name : AEROSOLS

Trans□ort ha□ard class□es□ : 2 □Class 2

Ha□ard la□els : 2 □Flamma□le □as

S□ecial □rovisions : 63
190
2□□
32□
344

Limited □uantities : See S□ 2□□

□ac□a□in□s □ I□Cs □ac□in□ Instruction : □20□
L□02

□ac□a□in□s □ I□Cs S□ecial □ac□in□ □rovisions : □□8□
L2

Transport by sea

□N□No. □IMD□ □ : 1950

□ro□er Shi□□in□ Name □IMD□ □ : AEROSOLS

Class □IMD□ □ : 2 □□ases

Air transport

□N□No. □IATA□ : 1950

□ro□er Shi□□in□ Name □IATA□ : Aerosols□flamma□le

Class □IATA□ : 2

SECTION 15: Regulatory information

National regulations

n-Butane (106-97-8)
Listed on the AICS □Australian Inventor□of Chemical Su□stances□

Isobutane (75-28-5)
Listed on the AICS □Australian Inventor□of Chemical Su□stances□

Propane (74-98-6)
Listed on the AICS □Australian Inventor□of Chemical Su□stances□

SECTION 16: Other information

Indication of chan□es	:	Section 2 information □other than la□el re□uirements□
Revision date	:	12/23/2015
Data sources	:	Australia Wor□safe □□re□aration of Safet□ Data Sheets for Ha□ardous Chemicals□ Euro□ean Chemicals A□enc□ □ECHA□C□L Inventor□ data□ase. Accessed at htt□://echa.euro□a.eu/we□/□uest/information□on□chemicals/cl□inventor□□data□ase. □rister Fors□er□ and S.Z. Mansdorf□"□uic□Selection □uide to Chemical □rotective Clothin□"□ Fifth Edition. National Fire □rotection Association. Fire □rotection □uide to Ha□ardous Materials□10th edition.
A□□reviations and acron□ms	:	CAS □Chemical A□stracts Service□num□er. ATE: Acute To□cit□ Estimate. CL□: Classification□La□ellin□□□ac□a□in□. EC50: Environmental Concentration associated with a res□onse □□50□ of the test □o□ulation. □HS: □lo□all□Harmoni□ed S□stem □of Classification and La□elin□ of Chemicals□ LD50: Lethal Dose for 50□ of the test □o□ulation. NOEC: No O□serva□le Effect Concentration. OSHA: Occu□ational Safet□ □ Health Administration. □NEC: □redicted No Effect Level. STEL: Short Term E□□osure Limits. TSCA: To□ic Su□stances Control Act. TWA: Time Wei□ht Avera□e.
Trainin□ advice	:	Normal use of this □roduct shall im□□use in accordance with the instructions on the □ac□a□in□.

Full te□t of H□statements:

Com□ressed □as	□ases under □ressure : Com□ressed □as
Flam. Aerosol 1	Flamma□le aerosols□Cate□or□1
Flam. □as 1	Flamma□le □ases□Cate□or□1
H220	E□tremel□flamma□le □as
H222	E□tremel□flamma□le aerosol
H280	Contains □as under □ressure□ma□e□□lode if heated

Redstone SDS A□S □HS for Eco□urner

SDS Prepared by: The Redstone □rou□□LLC.
60□□ Frant□Rd.
Suite 206
Du□lin□Ohio □SA 43016
614.923.□4□2
www.redstone□r□.com

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product