AUSTRALIA GHS Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **FUSOR® 602EZ SURFACE MODIFIER**
Product Use/Class: **PRIMER FOR ADHESIVE**

LORD Corporation
111 LORD Drive
Cary, NC 27511-7923 USA

Telephone: 814 868-3180
Non-Transportation Emergency: 814 763-2345
Chemtrec 24 Hr Transportation Emergency No.
800 424-9300 (Outside Continental U.S. 703 527-3887)

Connell Bros. Co. Australasia Pty Ltd.
Unit 3 / 257 Leitchs Road
Brendale QLD 4500 Australia
ABN 53 079 159 327
Telephone: 07 3552 9200
Australia Wide - 24 Hr Emergency Number
1800-033-111

EFFECTIVE DATE: 03/23/2023

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable aerosols Category 1
Acute toxicity Oral Category 4 - 26.1% of the mixture consists of ingredient(s) of unknown toxicity.
Acute toxicity Dermal Category 5 - 26.2% of the mixture consists of ingredient(s) of unknown toxicity.
Acute toxicity Inhalation - Dust and Mist Category 5 - 26.2% of the mixture consists of ingredient(s) of unknown toxicity.
Acute toxicity Inhalation - Vapour Category 5 - 26.2% of the mixture consists of ingredient(s) of unknown toxicity.
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Skin sensitization Category 1A
Germ cell mutagenicity Category 1B
Carcinogenicity Category 2
Reproductive toxicity Category 1B
Specific target organ systemic toxicity (single exposure) Category 2 Cardiovascular system
Specific target organ systemic toxicity (single exposure) Category 1 circulatory system
Specific target organ systemic toxicity (single exposure) Category 3
Specific target organ systemic toxicity (repeated exposure) Category 1 Central nervous system
Aspiration hazard Category 1
Hazardous to the aquatic environment - acute hazard Category 1
Hazardous to the aquatic environment - chronic hazard Category 1

GHS LABEL ELEMENTS:
Symbol(s)

Signal Word

DANGER

Hazard statements

Extremely flammable aerosol.
Harmful if swallowed.
May be harmful in contact with skin.
May be harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause genetic defects.
Suspected of causing cancer.
May damage fertility or the unborn child.
May cause damage to organs.(Cardiovascular system)
Causes damage to organs.(circulatory system)
May cause drowsiness or dizziness.
May cause respiratory irritation.
Causes damage to organs through prolonged or repeated exposure.(Central nervous system)
May be fatal if swallowed and enters airways.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

Keep away from heat, sparks, open flames, hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, eye protection, face protection.
Use personal protective equipment as required.
Do not breathe dust, fume, mist, vapors, spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Response

Call a POISON CENTER or doctor, physician if you feel unwell.
IF exposed: Call a POISON CENTER or doctor, physician.
Specific treatment (see supplemental first aid instructions on this label).
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice, attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

IF SWALLOWED: Immediately call a POISON CENTER or doctor, physician.
Rinse mouth.
Do NOT induce vomiting.
Take off contaminated clothing and wash before reuse.
Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Other hazards:

This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).

Acute: ACGIH considers propane to be a simple asphyxiant.Vapors may cause flash fire or explosion. Vapor harmful; may affect the brain or nervous system causing dizziness, headache or nausea. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. Possible irritation of the respiratory system can occur causing a variety of symptoms such as dryness of the throat, tightness of the chest, and shortness of breath. May be harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic: IARC has designated Methyl isobutyl ketone to be in Group 2B - possibly carcinogenic to humans.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients above the threshold concentration

Chemical Name	CAS Number	Range
Cyclohexane	110-82-7	50 - 55 %
Methyl-n-propyl ketone	107-87-9	20 - 25 %
Propane	74-98-6	15 - 20 %
Isobutane	75-28-5	5 - 10 %
Methyl isobutyl ketone	108-10-1	1 - 5 %
Polyamide resin	PROPRIETARY	0.1 - 0.9 %

4. FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention. Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

FIRST AID - SKIN CONTACT: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

FIRST AID - INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention. Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, Dry chemical, Foam, Water fog
UNSUITABLE EXTINGUISHING MEDIA: Not determined for this product.

SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Extremely flammable liquid and vapor. Keep container tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Wear full firefighting protective clothing, including self contained breathing apparatus. Water spray may be ineffective. If water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Use self-contained breathing equipment. Avoid contact.

ENVIRONMENTAL PRECAUTIONS: Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Keep non-essential personnel away from spill area. Notify appropriate authorities if necessary. Contain and remove with inert absorbent material and non-sparking tools. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of this safety data sheet.

7. HANDLING AND STORAGE

HANDLING: Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

STORAGE: Do not store or use near heat, sparks, or open flame. Store only in well-ventilated areas. Do not puncture, drag, or slide container. Keep container closed when not in use.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

Cyclohexane	110-82-7	Australia STEL: 300 ppm, 1,050 mg/m3 Australia TWA: 100 ppm, 350 mg/m3 ACGIH-TWA: 100 ppm

Methyl-n-propyl ketone	107-87-9	Australia STEL: 250 ppm, 881 mg/m3 Australia TWA: 200 ppm, 705 mg/m3 ACGIH-STEL: 150 ppm
Propane	74-98-6	Not established
Isobutane	75-28-5	ACGIH-STEL: 1,000 ppm
Methyl isobutyl ketone	108-10-1	Australia STEL: 75 ppm, 307 mg/m3 Australia TWA: 50 ppm, 205 mg/m3 ACGIH-STEL: 75 ppm ACGIH-TWA: 20 ppm
Polyamide resin	PROPRIETARY	Not established

ENGINEERING CONTROLS: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

PERSONAL PROTECTION MEASURES/EQUIPMENT:

Respiratory protection: Use a NIOSH approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. For respirator use observe OSHA regulations (29CFR 1910.134) or use in accordance with applicable laws and regulations of your country or particular locality. Use a NIOSH approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. For respirator use observe OSHA regulations (29CFR 1910.134) or use in accordance with applicable laws and regulations of your country or particular locality.

Skin protection: Use neoprene, nitrile, or rubber gloves to prevent skin contact. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Eye protection: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

Other protective equipment: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

Hygienic practices: Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

Odor:	Solvent	**Vapor Pressure:**	N.D.
Appearance:	Clear	**Vapor density:**	Heavier than Air
Physical state:	Liquid	**Lower explosion limit:**	1.3 %(V)
Flash point:	-142 °F, -96 °C Setaflash Closed Cup	**Upper explosive limit:**	9.5 %(V)
Boiling range:	-42 - 117 °C	**Evaporation rate:**	Faster than n-butyl-acetate.
Autoignition temperature:	N.D.	**Density:**	0.71 g/cm3

Decomposition temperature:	N.D.	**Viscosity, dynamic:**	N.D.
Odor threshold:	N.D.	**Viscosity, kinematic:**	N.D.
Solubility in H2O:	Insoluble	**Volatile by weight:**	97.26 %
pH:	N.A.	**Volatile by volume:**	98.17 %
Freeze point:	N.D.	**VOC Calculated:**	5.73 lb/gal, 685 g/l
Coefficient of water/oil distribution:	N.D.		

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Hazardous polymerisation will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: High temperatures. Sources of ignition.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Does not decompose when used and stored as recommended., Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

CHRONIC EFFECTS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

Acute toxicity Oral: Category 4 - Harmful if swallowed.
Components contributing to classification: Methyl-n-propyl ketone. Methyl isobutyl ketone.

Acute toxicity Dermal: Category 5 - May be harmful in contact with skin.
Components contributing to classification: Cyclohexane. Methyl isobutyl ketone.

Acute toxicity Inhalation - Dust and Mist: Category 5
Components contributing to classification: Cyclohexane. Methyl-n-propyl ketone. Methyl isobutyl ketone.

Acute toxicity Inhalation - Vapour: Category 5 - May be harmful if inhaled.
Components contributing to classification: Cyclohexane. Methyl-n-propyl ketone. Methyl isobutyl ketone.

Chemical Name	LD50/LC50
Cyclohexane	Oral LD50: Rat 12,705 mg/kg Oral LD50: Rat > 5,000 mg/kg Dermal LD50: Rabbit > 2,000 mg/kg Inhalation LC50: Rat > 32,880 mg/m3 /4 hGHS LC50 (vapour): Rat > 32.88 mg/l /4 h
Methyl-n-propyl ketone	Oral LD50: Rat 1,600 mg/kg Dermal LD50: Rat 6,480 mg/kg Inhalation LC50: Rat 2000 - 4000 ppm/4 h
Propane	Inhalation LC50: Rat >800000 ppm/15 min
Isobutane	Inhalation LC50: Rat >800000 ppm/15 min
Methyl isobutyl ketone	Oral LD50: Rat 2,080 mg/kg Dermal LD50: Rabbit 3,000 mg/kg Dermal LD50: Rat > 2,000 mg/kg

	GHS LC50 (vapour): Rat 11.6 mg/l /4 h
Polyamide resin	Dermal LD50: Rat > 2,000 mg/kg

Skin corrosion/irritation: Category 2 - Causes skin irritation.
Components contributing to classification: Cyclohexane. Methyl-n-propyl ketone. Propane.

Serious eye damage/eye irritation: Category 2A - Causes serious eye irritation.
Components contributing to classification: Cyclohexane. Methyl-n-propyl ketone. Methyl isobutyl ketone.

Skin sensitization: Category 1A - May cause an allergic skin reaction.
Components contributing to classification: Polyamide resin.

Respiratory sensitization: No classification proposed

Germ cell mutagenicity: Category 1B - May cause genetic defects.
Components contributing to classification: Isobutane.

Carcinogenicity: Category 2 - Suspected of causing cancer.
Components contributing to classification: Isobutane. Methyl isobutyl ketone.

Reproductive toxicity: Category 1B - May damage fertility or the unborn child.
Components contributing to classification: Cyclohexane. Isobutane.

Specific target organ systemic toxicity (single exposure): Category 2 - May cause damage to organs.(Cardiovascular system)
Components contributing to classification: Cyclohexane. Isobutane.
Specific target organ systemic toxicity (single exposure): Category 1 - Causes damage to organs.(circulatory system)
Components contributing to classification: Cyclohexane. Isobutane.
Specific target organ systemic toxicity (single exposure): Category 3 - May cause drowsiness or dizziness.
Components contributing to classification: Cyclohexane. Methyl-n-propyl ketone.
Specific target organ systemic toxicity (single exposure): Category 3 - May cause respiratory irritation.
Components contributing to classification: Cyclohexane. Methyl-n-propyl ketone.

Specific target organ systemic toxicity (repeated exposure): Category 1 - Causes damage to organs through prolonged or repeated exposure.(Central nervous system)
Components contributing to classification: Methyl isobutyl ketone.

Aspiration hazard: Category 1 - May be fatal if swallowed and enters airways.
Components contributing to classification: Cyclohexane. Methyl-n-propyl ketone. Methyl isobutyl ketone.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Chemical Name	Ecotoxicity
Cyclohexane	Fish: Pimephales promelas 23.03 - 42.07 mg/l96 h Static Lepomis macrochirus 24.99 - 44.69 mg/l96 h Static Poecilia reticulata 48.87 - 68.76 mg/l96 h Static Pimephales promelas 4.53 mg/l96 h Invertebrates: Daphnia magna 0.9 mg/l48 h Plants: Desmodesmus subspicatus > 500 mg/l72 h
Methyl-n-propyl ketone	Fish: Pimephales promelas 1,190 - 1,290 mg/l96 h Flow through
Propane	N.D.
Isobutane	N.D.
Methyl isobutyl ketone	Fish: Pimephales promelas 496 - 514 mg/l96 h Flow through Danio rerio 179 mg/l96 h Invertebrates: Daphnia magna 170 mg/l48 h Daphnia magna 200 mg/l48 h

	Plants: Pseudokirchneriella subcapitata 400 mg/l96 h
Polyamide resin	Fish: Danio rerio 7.07 mg/l96 h Invertebrates: Daphnia magna 7.07 mg/l48 h

PERSISTENCE AND DEGRADABILITY: Not determined for this product.

BIOACCUMULATIVE: Not determined for this product.

MOBILITY IN SOIL: Not determined for this product.

OTHER ADVERSE EFFECTS: Not determined for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

14. TRANSPORT INFORMATION

Road transport

Proper Shipping Name:	Aerosols
Hazard Class:	2.1
Secondary hazard:	None
UN/NA Number:	1950
Packing group:	None
Emergency Response Guide Number:	126

IATA Cargo

Proper shipping name:	Aerosols, flammable
Hazard Class:	2.1
Hazard class:	None
UN number:	1950
Packing group:	None
EmS:	10L

IMDG

Proper shipping name:	Aerosols
Hazard Class:	2
Hazard class:	None
UN number:	1950
Packing group:	None
EmS:	F-D; S-U

The listed transportation classification applies to non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS: AS FOLLOWS -

AUSTRALIA INVENTORY OF EXISTING CHEMICAL SUBSTANCES (AICS):

All components of this product are on the AICS list.

16. OTHER INFORMATION

Revision: Section 1, Section 2, Section 3, Section 8, Section 11, Section 12

Effective Date: 03/23/2023

DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.