

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product name: **FUSOR 602EZ SURFACE MODIFIER**  
Product Use/Class: **Primer for Adhesive**  
UPC Number: 80849810121

**Importer:**  
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)

**Supplier:**  
Saint-Gobain Canada, Inc.  
28 Albert Street, W.  
Plattsville, ON N0J 1S0  
www.Nortonabrasives.com  
Tel: 519-684-7441

**EFFECTIVE DATE:** 03/02/2017

**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATION:**

Flammable aerosols Category 1  
Acute toxicity Inhalation - Dust and Mist Category 4  
Acute toxicity Inhalation - Vapours Category 4  
Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A  
Carcinogenicity Category 2  
Reproductive toxicity Category 2  
Specific target organ systemic toxicity (single exposure) Category 3  
Specific target organ systemic toxicity (single exposure) Category 2 circulatory system, Cardio-vascular system, Heart  
Specific target organ systemic toxicity (repeated exposure) Category 1 Body, Central nervous system  
Aspiration hazard Category 1  
Hazardous to the aquatic environment - acute hazard Category 2  
Hazardous to the aquatic environment - chronic hazard Category 2

**GHS LABEL ELEMENTS:****Symbol(s)****Signal Word**

DANGER

**Hazard Statements**

Extremely flammable aerosol.  
Harmful if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.

300001002245

Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
May cause drowsiness or dizziness.  
May cause respiratory irritation.  
May cause damage to organs.(circulatory system, Cardio-vascular system, Heart)  
Causes damage to organs through prolonged or repeated exposure.(Body, Central nervous system)  
May be fatal if swallowed and enters airways.  
Toxic to aquatic life.  
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/gas/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.  
Avoid release to the environment.

### Response

Call a POISON CENTER or doctor/physician if you feel unwell.  
Call a POISON CENTER or doctor/physician if exposed or you feel unwell.  
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 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.  
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:** 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. ACGIH considers propane to be a simple asphyxiant. 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.

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
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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 %

#### 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.

**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.

**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.

**MOST IMPORTANT SYMPTOMS AND HAZARDOUS EFFECTS:** Refer to section 2 of this SDS.

**PROTECTION OF FIRST AID PROVIDER:** Appropriate protective equipment or clothing should be used.

**NOTES TO PHYSICIANS:** Treat per symptoms.

#### 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 containers 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 (SCBA). 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 the SDS form.

#### 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	ACGIH-TWA: 100 ppm
Methyl-n-propyl ketone	107-87-9	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	ACGIH-STEL: 75 ppm ACGIH-TWA: 20 ppm

**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.

**SKIN PROTECTION:** Use neoprene, nitrile, or rubber gloves to prevent skin contact.

**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.

<b>PHYSICAL STATE:</b>	Liquid	<b>VAPOR PRESSURE:</b>	N.D.
<b>APPEARANCE:</b>	Clear	<b>VAPOR DENSITY:</b>	Heavier than Air
<b>ODOR:</b>	Solvent	<b>DENSITY:</b>	0.71 g/cm <sup>3</sup>
<b>ODOR THRESHOLD:</b>	N.D.	<b>SOLUBILITY IN H<sub>2</sub>O:</b>	Insoluble
<b>pH:</b>	N.A.	<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	N.D.
<b>FREEZE POINT:</b>	N.D.	<b>AUTOIGNITION TEMPERATURE:</b>	N.D.
<b>BOILING RANGE:</b>	-42 - 117 °C	<b>DECOMPOSITION TEMPERATURE:</b>	N.D.
<b>FLASH POINT:</b>	-142 °F, -96 °C	<b>VISCOSITY, DYNAMIC:</b>	N.D.

<b>EVAPORATION RATE:</b>	Setaflash Closed Cup Faster than n-butyl- acetate.	<b>VISCOSITY, KINEMATIC:</b>	N.D.
<b>FLAMMABILITY</b>	N.D.	<b>VOLATILE BY WEIGHT:</b>	97.26 %
<b>LOWER EXPLOSIVE LIMIT:</b>	1.3 %(V)	<b>VOLATILE BY VOLUME:</b>	98.17 %
<b>UPPER EXPLOSIVE LIMIT:</b>	9.5 %(V)	<b>VOC CALCULATED:</b>	5.72 lb/gal, 685 g/l

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

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization 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:** 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 Inhalation - Dust and Mist:** Category 4

Components contributing to classification: Cyclohexane. Methyl-n-propyl ketone. Methyl isobutyl ketone.

**Acute toxicity Inhalation - Vapours:** Category 4 - 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 Dermal LD50: Rabbit > 2,000 mg/kg Inhalation LC50: Rat 13.9 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 658 mg/l /4 h
Isobutane	Inhalation LC50: Rat 658 mg/l /4 h
Methyl isobutyl ketone	Oral LD50: Rat 2,080 mg/kg Dermal LD50: Rabbit 3,000 mg/kg Inhalation LC50: Rat 8.2 mg/l /4 h

**Skin corrosion/irritation:** Category 2 - Causes skin irritation.

Components contributing to classification: Cyclohexane.

**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:** No classification proposed

**Respiratory sensitization:** No classification proposed

**Germ cell mutagenicity:** No classification proposed

**Carcinogenicity:** Category 2 - Suspected of causing cancer.

Components contributing to classification: Methyl isobutyl ketone.

**Reproductive toxicity:** Category 2 - Suspected of damaging fertility or the unborn child.

Components contributing to classification: Cyclohexane.

**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 (single exposure):** Category 2 - May cause damage to organs.(circulatory system, Cardio-vascular system, Heart)

Components contributing to classification: Cyclohexane. Isobutane.

**Specific target organ systemic toxicity (repeated exposure):** Category 1 - Causes damage to organs through prolonged or repeated exposure.(Body, 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	<u>Fish:</u> Pimephales promelas 3.96 - 5.18 mg/196 h flow-through Pimephales promelas 23.03 - 42.07 mg/196 h Static Lepomis macrochirus 24.99 - 44.69 mg/196 h Static Poecilia reticulata 48.87 - 68.76 mg/196 h Static <u>Plants:</u> Desmodemus subspicatus > 500 mg/172 h
Methyl-n-propyl ketone	<u>Fish:</u> Pimephales promelas 1,190 - 1,290 mg/196 h flow-through
Propane	N.D.
Isobutane	N.D.
Methyl isobutyl ketone	<u>Fish:</u> Pimephales promelas 496 - 514 mg/196 h flow-through <u>Invertebrates:</u> Daphnia magna 170 mg/148 h <u>Plants:</u> Pseudokirchneriella subcapitata 400 mg/196 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

### US DOT Road

**DOT Proper Shipping Name:** Aerosols  
**DOT Hazard Class:** 2.1  
**SECONDARY HAZARD:** None  
**DOT UN/NA Number:** 1950  
**Packing Group:** None  
**Emergency Response Guide Number:** 126

### IATA Cargo

**PROPER SHIPPING NAME:** Aerosols, flammable  
**DOT Hazard Class:** 2.1  
**HAZARD CLASS:** None  
**UN-NUMBER:** 1950  
**PACKING GROUP:** None  
**EMS:** 10L

**IMDG**

**PROPER SHIPPING NAME:** Aerosols  
**DOT Hazard Class:** 2  
**HAZARD CLASS:** None  
**UN-NUMBER:** 1950  
**PACKING GROUP:** None  
**EMS:** F-D

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.

<b>15. REGULATORY INFORMATION</b>
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**INTERNATIONAL REGULATIONS: AS FOLLOWS -**

**CEPA STATUS:** All components of this product are on the Canadian DSL list. All components of this product are on the Canadian DSL list.

<b>16. OTHER INFORMATION</b>
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**Revision:** Section 2

**Effective Date:** 03/02/2017

<b>DISCLAIMER</b>
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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.