

## 1. Identification

**Product identifier**                      **A/C System Flushing Solvent**

**Other means of identification**

**FIR No.**                                      173628

**Recommended use**                      For use in flushing automotive A/C systems

**Recommended restrictions**            None known.

### Manufacturer/Importer/Supplier/Distributor information

**Company Name**                      Ford Motor Company

**Address**                                      Attention: SDS Information, P.O. Box 1899  
Dearborn, Michigan 48121  
USA

**Telephone**                                1-800-392-3673

**SDS Information**                      1-800-448-2063 (USA and Canada)  
fordsds.com

### Emergency telephone numbers

Poison Control Center: USA and Canada: 1-800-959-3673  
INFOTRAC (Transportation): USA and Canada 1-800-535-5053

## 2. Hazard(s) identification

|                              |  |            |
|------------------------------|--|------------|
| <b>Physical hazards</b>      | Flammable liquids                                      | Category 3 |
| <b>Health hazards</b>        | Skin corrosion/irritation                              | Category 2 |
|                              | Sensitization, skin                                    | Category 1 |
|                              | Specific target organ toxicity, repeated exposure      | Category 1 |
|                              | Aspiration hazard                                      | Category 1 |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, acute hazard     | Category 1 |
|                              | Hazardous to the aquatic environment, long-term hazard | Category 1 |
| <b>OSHA defined hazards</b>  | Not classified.  |            |

### Label elements



**Signal word**                                Danger

**Hazard statement**                      Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

### Precautionary statement

**Prevention**                                Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response**                                If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Get medical advice/attention if you feel unwell. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

|  |   |
|--|---|
| <b>Storage</b>                                   | Store in a well-ventilated place. Keep cool. Store locked up.                                       |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.   |
| <b>Supplemental information</b>                  | None.   |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                               | Common name and synonyms | CAS number | %        |
|---|--------------------------|------------|----------|
| D-limonene                                  |                          | 5989-27-5  | 75 - 100 |
| Distillates (petroleum), hydrotreated light |                          | 64742-47-8 | 10 - 25  |
| 2-BUTOXYETHANOL                             |                          | 111-76-2   | 1 - 10   |

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.   |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>  | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Aspiration may cause pulmonary edema and pneumonitis. Headache. Nausea, vomiting. Diarrhea. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.      |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed. |
| <b>General information</b>  | Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.                          |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO <sub>2</sub> ).   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                    | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>General fire hazards</b>  | Flammable liquid and vapor. Will burn if involved in a fire.  |

### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Avoid contact with eyes, skin, and clothing. Do not breathe mist/vapors. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS. |
|--|--|

## Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

## Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Do not breathe mist/vapors. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. Avoid release to the environment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Wear appropriate personal protective equipment. For personal protection, see Section 8 of the SDS.

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat and sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                     | Type | Value                 |
|--------------------------------|------|-----------------------|
| 2-BUTOXYETHANOL (CAS 111-76-2) | PEL  | 240 mg/m <sup>3</sup> |
|                                |      | 50 ppm                |

#### US. ACGIH Threshold Limit Values

| Components                     | Type | Value  |
|--------------------------------|------|--------|
| 2-BUTOXYETHANOL (CAS 111-76-2) | TWA  | 20 ppm |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components   | Type | Value                 |
|--|------|-----------------------|
| 2-BUTOXYETHANOL (CAS 111-76-2)                               | TWA  | 24 mg/m <sup>3</sup>  |
|  |      | 5 ppm                 |
| Distillates (petroleum), hydrotreated light (CAS 64742-47-8) | TWA  | 100 mg/m <sup>3</sup> |

#### US. Workplace Environmental Exposure Level (WEEL) Guides

| Components                 | Type | Value                   |
|----------------------------|------|-------------------------|
| D-limonene (CAS 5989-27-5) | TWA  | 165.5 mg/m <sup>3</sup> |
|                            |      | 30 ppm                  |

## Biological limit values

### ACGIH Biological Exposure Indices

| Components                              | Value | Determinant                              | Specimen            | Sampling Time |
|---|-------|--|---------------------|---------------|
| 2-BUTOXYETHANOL (CAS 200 mg/g 111-76-2) |       | Butoxyacetic acid (BAA), with hydrolysis | Creatinine in urine | *             |

\* - For sampling details, please see the source document.

## Exposure guidelines

### US - California OELs: Skin designation

2-BUTOXYETHANOL (CAS 111-76-2) Can be absorbed through the skin.

### US - Minnesota Haz Subs: Skin designation applies

2-BUTOXYETHANOL (CAS 111-76-2) Skin designation applies.

### US - Tennessee OELs: Skin designation

2-BUTOXYETHANOL (CAS 111-76-2) Can be absorbed through the skin.

### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

2-BUTOXYETHANOL (CAS 111-76-2) Can be absorbed through the skin.

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

2-BUTOXYETHANOL (CAS 111-76-2) Can be absorbed through the skin.

## Appropriate engineering controls

Provide eyewash station and safety shower. Use adequate ventilation to control airborne concentrations below the exposure limits/guidelines. If user operations generate a vapor, dust and/or mist, use process enclosure, appropriate local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits/guidelines.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

### Skin protection

**Hand protection** Suitable chemical protective gloves should be worn when the potential exists for skin exposure. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Nitrile, butyl rubber or neoprene gloves are recommended.

**Other** Wear appropriate chemical resistant clothing if applicable.

**Respiratory protection** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.  
**Form** Liquid.  
**Color** Colorless to light yellow.

**Odor** Citrus

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** 125.6 °F (52.0 °C) Pensky-Martens Closed Cup

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

|   |                        |
|---|------------------------|
| Vapor density                           | Not available.         |
| Relative density                        | 0.83 (Water=1)         |
| Relative density temperature            | 68 °F (20 °C)          |
| <b>Solubility(ies)</b>                  |                        |
| Solubility (water)                      | Not available.         |
| Partition coefficient (n-octanol/water) | Not available.         |
| Auto-ignition temperature               | Not available.         |
| Decomposition temperature               | Not available.         |
| Viscosity                               | 0.9 cSt                |
| Viscosity temperature                   | 104 °F (40 °C)         |
| <b>Other information</b>                |                        |
| Density                                 | 0.83 g/cm <sup>3</sup> |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.  |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.   |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidizing agents.   |
| <b>Hazardous decomposition products</b>   | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.                               |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Based on available data, the classification criteria are not met. Prolonged inhalation may be harmful.   |
| <b>Skin contact</b> | Causes skin irritation. May cause an allergic skin reaction.<br><br>2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans. |
| <b>Eye contact</b>  | Based on available data, the classification criteria are not met. Direct contact with eyes may cause temporary irritation.   |
| <b>Ingestion</b>    | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.   |

|   |   |
|---|---|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Aspiration may cause pulmonary edema and pneumonitis. Headache. Nausea, vomiting. Diarrhea. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. |
|---|---|

### Information on toxicological effects

|                       |   |
|-----------------------|---|
| <b>Acute toxicity</b> | May be fatal if swallowed and enters airways. |
|-----------------------|---|

| Components                     | Species    | Calculated/Test Results |
|--------------------------------|------------|-------------------------|
| 2-BUTOXYETHANOL (CAS 111-76-2) |            |                         |
| <b>Acute</b>                   |            |                         |
| <b>Dermal</b>                  |            |                         |
| LD50                           | Rabbit     | 400 mg/kg               |
| <b>Inhalation</b>              |            |                         |
| LC50                           | Mouse      | 700 ppm, 7 Hours        |
|                                | Rat        | 486 ppm, 4 Hours        |
|                                |            | 450 ppm, 4 Hours        |
| <b>Oral</b>                    |            |                         |
| LD50                           | Guinea pig | 1.2 g/kg                |
|                                | Mouse      | 1519 mg/kg              |

| Components                 | Species | Calculated/Test Results |
|----------------------------|---------|-------------------------|
|                            |         | 1.2 g/kg                |
|                            | Rabbit  | 0.32 g/kg               |
|                            | Rat     | 560 mg/kg               |
|                            |         | 1.48 g/kg               |
| <b>Other</b>               |         |                         |
| LD50                       | Mouse   | 1130 mg/kg              |
|                            | Rabbit  | 280 mg/kg               |
|                            | Rat     | 550 mg/kg               |
|                            |         | 340 mg/kg               |
| D-limonene (CAS 5989-27-5) |         |                         |
| <b>Acute</b>               |         |                         |
| <b>Dermal</b>              |         |                         |
| LD50                       | Rabbit  | 5 g/kg                  |
| <b>Oral</b>                |         |                         |
| LD50                       | Mouse   | 5600 - 6600 mg/kg       |
| <b>Other</b>               |         |                         |
| LD50                       | Mouse   | > 41.5 g/kg             |
|                            |         | 1.3 g/kg                |
|                            | Rat     | > 20.2 g/kg             |
|                            |         | 4.5 g/kg                |
|                            |         | 3.6 g/kg                |
|                            |         | 0.125 g/kg              |
|                            |         | 0.11 g/kg               |

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Causes damage to organs through prolonged or repeated exposure. Liver. Kidneys. Lymph system. Skin. Blood. Eyes. Central nervous system. Respiratory system. Hematopoietic system.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure.

**12. Ecological information**

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

## Ecotoxicity

| Components   | Species | Calculated/Test Results  |
|--|---------|--|
| 2-BUTOXYETHANOL (CAS 111-76-2)                               |         |  |
| <b>Aquatic</b>   |         |  |
| Fish   | LC50    | Inland silverside (Menidia beryllina) 1250 mg/l, 96 hours              |
| Distillates (petroleum), hydrotreated light (CAS 64742-47-8) |         |  |
| <b>Aquatic</b>   |         |  |
| Fish   | LC50    | Rainbow trout,donaldson trout (Oncorhynchus mykiss) 2.9 mg/l, 96 hours |
| D-limonene (CAS 5989-27-5)                                   |         |  |
| <b>Aquatic</b>   |         |  |
| Crustacea  | EC50    | Water flea (Daphnia pulex) 69.6 mg/l, 48 hours                         |
| Fish   | LC50    | Fathead minnow (Pimephales promelas) 0.619 - 0.796 mg/l, 96 hours      |

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

|                 |      |
|-----------------|------|
| 2-BUTOXYETHANOL | 0.83 |
| D-limonene      | 4.57 |

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | D001: Waste Flammable material with a flash point <140 F<br>The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

## 14. Transport information

|                                     |   |
|-------------------------------------|---|
| <b>DOT</b>                          |   |
| <b>UN number</b>                    | UN1993  |
| <b>UN proper shipping name</b>      | Flammable liquids, n.o.s. (Citrus Terpene)                              |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 3   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | III   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Packaging exceptions</b>         | 150   |
| <b>IATA</b>                         |   |
| <b>UN number</b>                    | UN1993  |
| <b>UN proper shipping name</b>      | Flammable liquids, n.o.s. (Citrus Terpene)                              |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 3   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | III   |
| <b>Environmental hazards</b>        | No.   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>IMDG</b>                         |   |
| <b>UN number</b>                    | UN1993  |

**UN proper shipping name** Flammable liquids, n.o.s. (Citrus Terpene), MARINE POLLUTANT (D-limonene)  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** Not available.  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
D-limonene

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

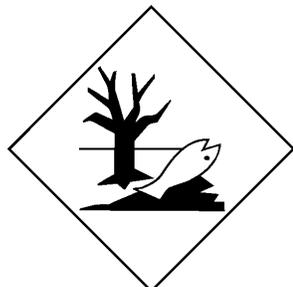
**DOT**



**IATA; IMDG**



**Marine pollutant**



**General information** IMDG Regulated Marine Pollutant.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### Toxic Substances Control Act (TSCA)

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

2-BUTOXYETHANOL (CAS 111-76-2) Listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

### SARA 302 Extremely hazardous substance

Not listed.

### SARA 311/312 Hazardous chemical

Yes

#### Classified hazard categories

Flammable (gases, aerosols, liquids, or solids)  
Skin corrosion or irritation  
Respiratory or skin sensitization  
Specific target organ toxicity (single or repeated exposure)  
Aspiration hazard

### SARA 313 (TRI reporting)

| Chemical name   | CAS number | % by wt. |
|-----------------|------------|----------|
| 2-BUTOXYETHANOL | 111-76-2   | 1 - 10   |

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

### Safe Drinking Water Act (SDWA)

Not regulated.

## US state regulations

### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## International Inventories

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

## 16. Other information, including date of preparation or last revision

**Issue date** 12-14-2022

**Version** 01

**HMIS® ratings**  
Health: 1  
Flammability: 2  
Physical hazard: 0

**NFPA ratings**  
Health: 1  
Flammability: 2  
Instability: 0

### Preparation Information and Disclaimer

This document was prepared by FCSD-Toxicology, Ford Motor Company, Diagnostic Service Center II, 1800 Fairlane Drive, Allen Park, MI 48101, USA, based in part on information provided by the manufacturer. The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user. To the extent that there are any differences between this product's Safety Data Sheet (SDS) and the consumer packaged product labels, the SDS should be followed.

**Part number(s)** YN-23