

# SAFETY DATA SHEET

## GENUINE SUBARU CARBON CLEAN 11 FL OZ\_12CT

Version 3.0

Revision Date 11/08/2024

Print Date 04/27/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : GENUINE SUBARU CARBON CLEAN 11 FL OZ\_12CT

Material number : 000000000503900601

#### Manufacturer or supplier's details

Company : Zep Inc.

Address : 350 Joe Frank Harris Parkway, SE  
Emerson, GA 30137

Telephone : Compliance Services - 877-428-9937

#### Emergency telephone numbers

For SDS Information : Compliance Services - 877-428-9937

For a Medical Emergency : 877-541-2016 Toll Free - All Calls Recorded

For a Transportation  
Emergency : CHEMTREC: 800-424-9300 - All Calls Recorded.  
In the District of Columbia 202-483-7616

#### Recommended use of the chemical and restrictions on use

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

|            |                |
|------------|----------------|
| Appearance | liquid         |
| Colour     | colourless     |
| Odour      | characteristic |

#### GHS Classification

Skin corrosion : Category 1B

Serious eye damage : Category 1

#### GHS label elements

Hazard pictograms :



Corrosion

Health hazard

Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off

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immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P363 Wash contaminated clothing before reuse.

### Disposal:

P501 Dispose of contents/container in accordance with local regulation.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

| Chemical name              | CAS-No.  | Concentration [%] |
|----------------------------|----------|-------------------|
| 2-aminoethanol             | 141-43-5 | $\geq 10 - < 20$  |
| 2,2',2''-nitrilotriethanol | 102-71-6 | $\geq 5 - < 10$   |

The exact percentages of disclosed substances are withheld as trade secrets.

## SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
Consult a physician after significant exposure.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
Wash off immediately with plenty of water for at least 15 minutes.  
If skin irritation persists, call a physician.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
Immediately flush eyes for at least 15 minutes. Get medical attention.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.

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- |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If swallowed                                                | : Keep respiratory tract clear.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>DO NOT induce vomiting unless directed to do so by a physician or poison control center.<br>Take victim immediately to hospital.                                                                                                                                                                               |
| Most important symptoms and effects, both acute and delayed | : Effects are immediate and delayed.<br>Symptoms may include blistering, irritation, burns, and pain.<br>Chronic effects are delayed and symptoms may not be observed during an exposure.<br>Effects are dependent on exposure (dose, concentration, contact time).<br>Causes severe skin burns and eye damage.<br>May damage fertility or the unborn child.<br>Suspected of causing cancer.<br>Review section 2 of SDS to see all potential hazards. |
| Notes to physician                                          | : Treat symptomatically. Symptoms may be delayed.                                                                                                                                                                                                                                                                                                                                                                                                     |

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#### SECTION 5. FIREFIGHTING MEASURES

- |                                               |                                                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                  | : Water spray jet<br>Alcohol-resistant foam<br>Carbon dioxide (CO2)<br>Dry chemical                                                                                                                                       |
| Unsuitable extinguishing media                | : High volume water jet                                                                                                                                                                                                   |
| Specific hazards during firefighting          | : Do not allow run-off from fire fighting to enter drains or water courses.                                                                                                                                               |
| Hazardous combustion products                 | : Carbon dioxide (CO2)<br>Carbon monoxide<br>Nitrogen oxides (NOx)<br>Smoke                                                                                                                                               |
| Specific extinguishing methods                | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                                                                                                 |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.                                                                                                                                                  |

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |                                                |                                      |
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| Personal precautions, protective equipment and | : Use personal protective equipment. |
|------------------------------------------------|--------------------------------------|

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emergency procedures

Environmental precautions

: Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains, inform respective authorities.

Methods and materials for  
containment and cleaning up

: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling

: Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.  
Do not breathe vapours or spray mist.

Conditions for safe storage

: Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid

: Store and keep away from, oxidizing agents and acids.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components     | CAS-No.  | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|----------------|----------|----------------------------------|---------------------------------------------------|-----------|
| 2-aminoethanol | 141-43-5 | TWA                              | 3 ppm                                             | ACGIH     |
|                |          | STEL                             | 6 ppm                                             | ACGIH     |
|                |          | TWA                              | 3 ppm<br>8 mg/m3                                  | NIOSH REL |
|                |          | ST                               | 6 ppm<br>15 mg/m3                                 | NIOSH REL |
|                |          | TWA                              | 3 ppm<br>6 mg/m3                                  | OSHA Z-1  |
|                |          | STEL                             | 6 ppm<br>15 mg/m3                                 | OSHA P0   |
|                |          | TWA                              | 3 ppm<br>8 mg/m3                                  | OSHA P0   |

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|                            |          |      |                   |         |
|----------------------------|----------|------|-------------------|---------|
|                            |          | PEL  | 3 ppm<br>8 mg/m3  | CAL PEL |
|                            |          | STEL | 6 ppm<br>15 mg/m3 | CAL PEL |
| 2,2',2''-nitritotriethanol | 102-71-6 | TWA  | 5 mg/m3           | ACGIH   |
|                            |          | PEL  | 5 mg/m3           | CAL PEL |

**Engineering measures** : effective ventilation in all processing areas

### Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection

Material

Remarks

: Protective gloves

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

: Access to clean water to rinse eyes must be available, options include: eye wash stations or showers, or eye wash bottles with pure water.

Safety glasses

Skin and body protection

: Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

: When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

: liquid

Colour

: colourless

Odour

: characteristic

Odour Threshold

: No data available

pH

: No data available

Melting point/freezing point

: No data available

Boiling point

: > 100 °C

Flash point

: > 100 °C

Method: TCC

Evaporation rate

: No data available

Upper explosion limit

: No data available

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|                                        |                      |
|----------------------------------------|----------------------|
| Lower explosion limit                  | : No data available  |
| Vapour pressure                        | : No data available  |
| Relative vapour density                | : No data available  |
| Density                                | : 1 g/cm3            |
| Solubility(ies)                        |                      |
| Water solubility                       | : completely soluble |
| Partition coefficient: n-octanol/water | : No data available  |
| Auto-ignition temperature              | : not determined     |
| Thermal decomposition                  | : No data available  |
| Viscosity                              |                      |
| Viscosity, kinematic                   | : No data available  |

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#### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------|
| Reactivity                         | : Stable                                                                                      |
| Chemical stability                 | : Stable under normal conditions.                                                             |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.                                         |
| Conditions to avoid                | : No data available                                                                           |
| Incompatible materials             | : Aluminium<br>Strong acids<br>Strong oxidizing agents<br>Organic materials                   |
| Hazardous decomposition products   | : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).<br>Nitrogen oxides (NOx) |

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#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Potential Health Effects

|                              |                                                                                                                                                                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aggravated Medical Condition | : None known.                                                                                                                                                                                                                                                       |
| Symptoms of Overexposure     | : Effects are immediate and delayed.<br>Symptoms may include blistering, irritation, burns, and pain.<br>Chronic effects are delayed and symptoms may not be observed during an exposure.<br>Effects are dependent on exposure (dose, concentration, contact time). |

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Causes severe skin burns and eye damage.  
May damage fertility or the unborn child.  
Suspected of causing cancer.  
Review section 2 of SDS to see all potential hazards.  
Treat symptomatically. Symptoms may be delayed.

### Carcinogenicity:

#### IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

#### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

#### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Acute toxicity

#### Product:

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 106.33 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

#### Components:

##### 2-aminoethanol:

Acute oral toxicity : LD50 Oral Mouse: 700 mg/kg

LD50 Oral Rat: 1,515 mg/kg

Acute inhalation toxicity : LC50 Mouse: > 1.21 mg/l

##### 2,2',2''-nitrilotriethanol:

Acute oral toxicity : LD50 Rat: 6,400 mg/kg

Acute dermal toxicity : LD50 Rabbit: > 22,500 mg/kg

### Skin corrosion/irritation

#### Product:

Remarks: Extremely corrosive and destructive to tissue.

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### Serious eye damage/eye irritation

#### Product:

Remarks: May cause irreversible eye damage.

### Respiratory or skin sensitisation

No data available

### Germ cell mutagenicity

No data available

### Carcinogenicity

No data available

### Reproductive toxicity

No data available

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Aspiration toxicity

No data available

### Further information

#### Product:

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### 2,2',2''-nitrilotriethanol :

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): > 450 - < 1,000 mg/l  
Exposure time: 96 h  
Method: Third Party Data - Actual or Inferred

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia (water flea)): > 565 - < 658 mg/l  
Exposure time: 48 h  
Method: Third Party Data - Actual or Inferred



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### Persistence and degradability

No data available

### Bioaccumulative potential

#### Product:

Partition coefficient: n-octanol/water : Remarks: No data available

#### Components:

##### **2-aminoethanol :**

Partition coefficient: n-octanol/water : log Pow: -1.31

##### **2,2',2''-nitrilotriethanol :**

Partition coefficient: n-octanol/water : log Pow: -1

### Mobility in soil

No data available

### Other adverse effects

No data available

#### Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

## SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):  
UN3267, Corrosive liquid, basic, organic, n.o.s., (MONOETHANOLAMINE), 8, III - Limited quantity

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Transportation Regulation: IMDG (Vessel):  
UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., (MONOETHANOLAMINE), 8, III - Limited quantity

Transportation Regulation: IATA (Cargo Air):  
UN3267, Corrosive liquid, basic, organic, n.o.s., (MONOETHANOLAMINE), 8, III

Transportation Regulation: IATA (Passenger Air):  
UN3267, Corrosive liquid, basic, organic, n.o.s., (MONOETHANOLAMINE), 8, III

Transportation Regulation: TDG (Canada):  
UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., (MONOETHANOLAMINE), 8, III - Limited quantity

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

### SECTION 15. REGULATORY INFORMATION

**TSCA list** : The following substance(s) is/are subject to a Significant New Use Rule:  
1-butylpyrrolidin-2-one 3470-98-2

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:  
1-butylpyrrolidin-2-one 3470-98-2

#### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

| Components                | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|---------------------------|-----------|--------------------|-----------------------------|
| ammonia, aqueous solution | 1336-21-6 | 1000               | *                           |

\*: Calculated RQ exceeds reasonably attainable upper limit.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Skin corrosion or irritation  
Serious eye damage or eye irritation

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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### California Prop. 65



WARNING: This product can expose you to chemicals including 2,2'-iminodiethanol, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### The components of this product are reported in the following inventories:

|      |                                                        |
|------|--------------------------------------------------------|
| DSL  | All components of this product are on the Canadian DSL |
| TSCA | On TSCA Inventory                                      |

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

### Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada), NDSL (Canada)

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## SECTION 16. OTHER INFORMATION

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### Further information

#### NFPA:

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 1 |
| INSTABILITY     | 0 |
| SPECIAL HAZARD. |   |

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme

#### HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 1 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

### OSHA - GHS Label Information:

Hazard pictograms



Corrosion

Health hazard

Signal word

: **Danger:**

Hazard statements

: Causes severe skin burns and eye damage.

Precautionary statements

:

**Prevention:** Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse.

**Disposal:** Dispose of contents/container in accordance with local regulation.

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