

## Zep Fast Gasket Black - New DZ

Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : Zep Fast Gasket Black - New DZ

Material number : 000000000000143301

#### Manufacturer or supplier's details

Company : Zep Inc.

Address : 1310 Seaboard Industrial Blvd., NW  
Atlanta, GA 30318

Telephone : 404-352-1680

#### Emergency telephone numbers

<b>For SDS Information</b>	: Compliance Services 1-877-428-9937
<b>For a Medical Emergency</b>	: 877-541-2016 Toll Free - All Calls Recorded
<b>For a Transportation Emergency</b>	: CHEMTREC: 800-424-9300 - All Calls Recorded. In the District of Columbia 202-483-7616

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

Recommended use : Adhesive

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	Aerosol containing a liquefied gas
Colour	black
Odour	alcohol-like

#### GHS Classification

Gases under pressure : Liquefied gas

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation.  
H315 Causes skin irritation.Precautionary statements : P103 Read label before use.  
P102 Keep out of reach of children.  
P101 If medical advice is needed, have product container or label at hand.

## Zep Fast Gasket Black - New DZ

Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

**Prevention:**

P280 Wear protective gloves.

P280 Wear eye protection/ face protection.

P264 Wash hands thoroughly after handling.

**Response:**

P302 + P352 + P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell.

P362 Take off contaminated clothing and wash before reuse.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage:**

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

**Disposal:**

Dispose of contents/container in accordance with local regulation.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Hazardous components**

Chemical name	CAS-No.	Concentration [%]
methylsilanetriyl triacetate	4253-34-3	>= 1 - < 5
triacetoxylethylsilane	17689-77-9	>= 1 - < 5
1,1-difluoroethane	75-37-6	>= 1 - < 5

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

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### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.  
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
Wash off immediately with plenty of water for at least 15 minutes.  
Remove contaminated clothing and shoes.  
Wash contaminated clothing before reuse.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.

## Zep Fast Gasket Black - New DZ

Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

Never give anything by mouth to an unconscious person.  
 If symptoms persist, call a physician.  
 DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
 Take victim immediately to hospital.

- Most important symptoms and effects, both acute and delayed : Effects are dependent on exposure (dose, concentration, contact time).  
 Effects are immediate and delayed.  
 Symptoms may include irritation, redness, pain, and rash.  
 Causes skin irritation.  
 Causes serious eye irritation.  
 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 : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 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 (CO<sub>2</sub>)  
 Carbon monoxide
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Standard procedure for chemical fires.  
 Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
 Ensure adequate ventilation.  
 Remove all sources of ignition.  
 Evacuate personnel to safe areas.  
 Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- 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.

## Zep Fast Gasket Black - New DZ

Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Always replace cap after use.

Conditions for safe storage : No smoking. Keep in a dry, cool and well-ventilated place. Observe label precautions. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1,1-difluoroethane	75-37-6	TWA	1,000 ppm	US WEEL

**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

: Ensure that eyewash stations and safety showers are close to the workstation location.  
Tightly fitting safety goggles

**Zep Fast Gasket Black - New DZ**

Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

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- 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.
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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : Aerosol containing a liquefied gas
- Colour : black
- Odour : alcohol-like
- Odour Threshold : No data available
- pH : No data available
- Melting point/freezing point : No data available
- Boiling point : No data available
- Flash point : > 100 °C  
Method: closed cup
- Evaporation rate : No data available
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : not determined
- Relative vapour density : No data available
- Density : 1.007 g/cm<sup>3</sup>
- Bulk density : No data available
- Solubility(ies)
- Water solubility : No data available
- Solubility in other solvents : not determined
- Partition coefficient: n-octanol/water : No data available
- Auto-ignition temperature : not determined
- Thermal decomposition : No data available
- Viscosity
- Viscosity, dynamic : No data available
- Viscosity, kinematic : No data available

**Zep Fast Gasket Black - New DZ**

Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

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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	: Oxidizing agents
Hazardous decomposition products	: No decomposition if stored and applied as directed.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Potential Health Effects**

Aggravated Medical Condition	: None known.
Symptoms of Overexposure	: Effects are dependent on exposure (dose, concentration, contact time). Effects are immediate and delayed. Symptoms may include irritation, redness, pain, and rash.

**Carcinogenicity:**

<b>IARC</b>	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.
<b>ACGIH</b>	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.
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP</b>	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****Components:****methylsilanetriyl triacetate:**

Acute oral toxicity : LD50 Oral Rat: 2,060 mg/kg  
Method: Calculation method

**1,1-difluoroethane:**

Acute inhalation toxicity : LC50 Mouse: 977,000 mg/l  
Exposure time: 2 h

**Zep Fast Gasket Black - New DZ**

Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

---

**Skin corrosion/irritation**

**Product:**

Remarks: Irritating to skin.

**Serious eye damage/eye irritation**

**Product:**

Remarks: Severe eye irritation

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**methylsilanetriyl triacetate:  
triacetoxylethylsilane:  
1,1-difluoroethane:**

**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**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

**Product:**

## Zep Fast Gasket Black - New DZ

Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

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

### 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	: Dispose of in accordance with local regulations. 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.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

## SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA): ORM-D, CONSUMER COMMODITY
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Transportation Regulation: IMDG (Vessel): UN1950, AEROSOLS, 2.2, - Limited quantity
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Transportation Regulation: IATA (Cargo Air): UN1950, AEROSOLS, 2.2, - Limited quantity
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Transportation Regulation: IATA (Passenger Air): UN1950, AEROSOLS, 2.2, - Limited quantity
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Transportation Regulation: TDG (Canada):
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**Zep Fast Gasket Black - New DZ**

Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

UN1950, AEROSOLS, 2.2, - Limited quantity
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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.

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**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

**SARA 311/312 Hazards** : Sudden Release of Pressure Hazard  
Acute Health Hazard

**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.

**California Prop 65** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

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

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**

## Zep Fast Gasket Black - New DZ

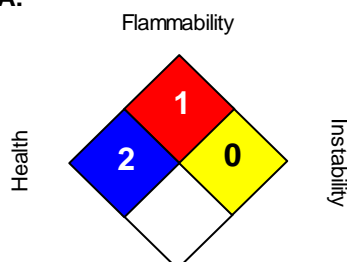
Version 1.1

Revision Date 04/03/2017

Print Date 11/03/2017

## Further information

## NFPA:



## HMIS III:

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>2</b>

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

## OSHA - GHS Label Information:

Hazard pictograms



Signal word

Hazard statements

Precautionary statements

- : **Warning:**
- : Contains gas under pressure; may explode if heated. Causes serious eye irritation. Causes skin irritation.
- : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
- Prevention:** Wear protective gloves. Wear eye protection/ face protection. Wash hands thoroughly after handling.
- Response:** IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Storage:** Protect from sunlight. Store in a well-ventilated place.
- Disposal:** Dispose of contents/container in accordance with local regulation.

Version:	1.1
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