



# Safety Data Sheet

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## Diesel Force Diesel EGR & Induction System Cleaner

SDS Number: 46-04

### 1 PRODUCT AND COMPANY INFORMATION

Product Name: Diesel Force Diesel EGR & Induction System Cleaner  
Revision Date: 09/26/2016  
SDS Number: 46-04  
Common Name: Diesel EGR and Induction System Cleaner  
CAS Number: Blend  
Product Code: DF620, DF630, DF640  
Synonyms: Water Based System Cleaner

#### Company Identification:

*Supplier:*  
LYDEN OIL COMPANY  
30682 Tracy Road  
Walbridge, OH 43465  
www.lydenoil.com

For Product Information: 1-800-245-9336  
For Emergencies: 1-800-424-9300 (CHEMTREC)

### 2 HAZARDS IDENTIFICATION



Signal Word:

**DANGER**

Hazard Classes/Categories:

Skin corrosive, Category 1B.  
Serious eye damage, Category 1.



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Corrosive to metals, Category 1.  
Carcinogen, Category 2.

Hazard Statement(s):

Causes severe skin burns and eye damage.  
Causes serious eye damage.  
May be corrosive to metals.  
Suspected of causing cancer.

Precaution Statement(s):

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Obtain special instructions before use. Wash thoroughly after handling. Avoid breathing dust/fumes/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF exposed or concerned: Call a POISON CENTER/ doctor. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazard Statement(s):

-NFPA Ratings:  
Health = 3  
Fire = 0  
Reactivity = 0

Caution: CAUSTIC SOLUTION, Avoid contact with eyes/skin.

<b>3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
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Ingredients:

*Mixture of the substances listed below with nonhazardous additions.*



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Chemical Name	CAS Number	Percentage
Sodium Hydroxide	1310-73-2	1-2
Nitrilotriacetic acid trisodium salt monohydrate	18662-53-8	0.1-1

*\*Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

### 4 FIRST AID MEASURES

#### Description of First Aid Measures:

##### Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or is unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

##### Skin Contact:

Flush skin with water, wash with soap and water. Remove contaminated clothing. Do not reuse clothing until cleaned. Get medical attention if skin irritation occurs or if otherwise needed.

##### Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

##### Ingestion:

Rinse mouth with water. Drink copious amounts of water and DO NOT induce vomiting. Obtain medical attention.

#### Symptoms and Effects, both acute and delayed:

-Most important symptoms and effects, both acute and delayed:

Corrosive to skin and eyes. Will cause nausea and vomiting.

Irritating to mouth, throat and stomach.

-Indication of any immediate medical attention and special treatment needed:

No further relevant information available.



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### Recommended Actions:

Treat symptomatically. Call a doctor or poison control center for guidance.

## 5 FIRE FIGHTING MEASURES

### Recommended Fire-Extinguishing Equipment:

Use dry powder, foam, or carbon dioxide fire extinguishers. Water may be ineffective in fighting an oil fire unless used by experienced fire fighters.

### Possible Hazards During a Fire:

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

### Recommendations to Firefighters:

Proper protective equipment including breathing apparatus.

## 6 ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Avoid breathing vapors.  
Personal protective equipment must be worn.  
Avoid contact with skin, eyes or clothing.  
Remove persons from danger area.

### Emergency Procedures:

Contain spilled material, collect in suitable and properly labeled containers.

### Environmental Precautions:

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.



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### Cleanup Procedures:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

## 7 HANDLING AND STORAGE

### Handling Precautions:

Use good personal hygiene practices  
Avoid contact with the eyes and skin.  
Avoid contact with clothing.  
Use only in well ventilated areas.  
Avoid splashes or spray in enclosed areas.

### Storage Requirements:

Keep container tightly sealed. Store only in original container.  
Keep away from sources of ignition.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits:

-1310-73-2 Sodium Hydroxide (1-2%):

TLV - CEV: 2 mg/m<sup>3</sup>

PEL – TWA: 2 mg/m<sup>3</sup>

### Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Eyewash station and safety shower should be available.

### Personal Protective Equipment:

-General protective and hygienic measures:  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin. Wear gloves



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and safety glasses/goggles.  
-Breathing equipment:  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Color:	Amber
Physical State:	Liquid
Odor:	Mild
Odor Threshold:	Data not available
pH:	12.5-13.8
Melting Point:	Data not available
Boiling Point:	Data not available
Boiling Range:	Data not available
Flash Point:	Data not available
Evaporation Rate:	Data not available
Flammability:	Data not available
Flammability Limits:	Data not available
Vapor Pressure:	Data not available
Vapor Density:	Data not available
Relative Density:	1.02 g/cm <sup>3</sup> (8.512 lbs/gal)
Solubilities:	Fully miscible with water
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
Viscosity:	Data not available

### 10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Reactivity: Not reactive under normal conditions.



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Conditions to Avoid:

No further relevant information available.

Hazardous Reactions:

No known hazardous reactions.

Incompatible Materials:

Acids

Decomposition Products:

Hazardous decomposition products are not expected to form.

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### TOXICOLOGICAL INFORMATION

Routes of Exposure:

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

Exposure Effects:

Corrosive to skin and mucous membranes.  
Corrosive to eyes.

Measures of Toxicity:

EGR and Induction System Cleaner:

Oral LD50: 29851 mg/kg (ATE)

1310-73-2 Sodium Hydroxide:

Oral LD50: 2000 mg/kg (rat)

18662-53-8 Nitrilotriacetic acid trisodium salt monohydrate:

Oral LD50: 100 mg/kg (ATE)

Carcinogenic/Mutagenic Precautions:

Nitrilotriacetic acid trisodium salt monohydrate:  
Carcinogenic category 2B (IARC).



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### 12 ECOLOGICAL INFORMATION

Ecological Precautions:

Avoid exposing to the environment.

Ecological Effects:

1310-73-2 Sodium Hydroxide:

LC50 (48 hours): 125 mg/L (fish)

### 13 DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of waste material in accordance with all local, state, and federal requirements.

Disposal Containers:

Use properly approved container for disposal.

Special Precautions:

Do not dispose of with household garbage.  
Do not flush to surface waters or drains.

### 14 TRANSPORT INFORMATION

UN Number: UN3266  
UN Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide)  
Transport Hazard Class: 8  
Packing Group: II

Environmental Hazards:

Not a marine pollutant

Bulk Transport Guidance:

Data not available





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### Special Precautions:

Placard: CORROSIVE (non-limited quantities with gross weight over 1,001 pounds) DOT quantity limitations of 5L on passenger aircraft or rail, and 60L on cargo aircraft.

### 15 REGULATORY INFORMATION

This material and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act.

California Proposition 65 WARNING: This product contains measurable amounts of a chemical known to the State of California to cause cancer. (Nitrilotriacetic acid trisodium salt monohydrate)

### 16 OTHER INFORMATION

Last Revision Date: 09/26/2016

*The information contained in this Safety Data Sheet (SDS) relates only to the specific material designated. The supplier assumes no legal responsibility of the use or reliance upon this data. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the supplier.*