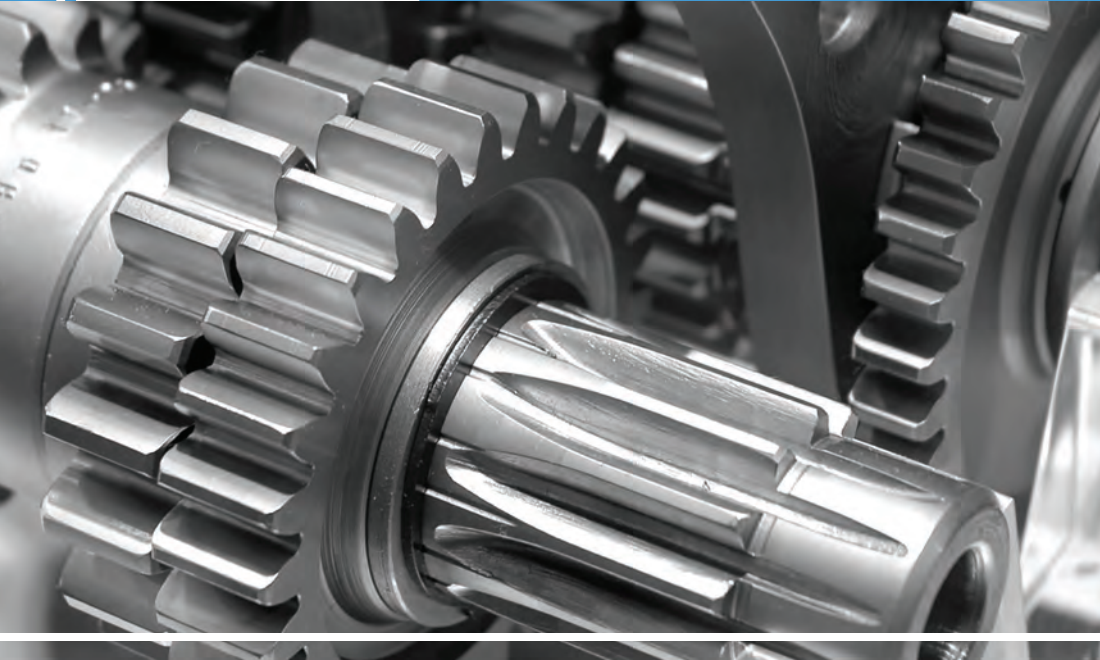




## *Organic Industrial Detergent Composition*



*Oil and gas*



*Cistern cleaning*



*Machine-building*



*Food*



*Aviation*



*Textile*



*Car-repair*



*Public utilities*



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# Organic Industrial Detergent Composition

## Introduction

We are proud to present to your attention the Industrial Detergent Composition. This IDC is a new generation universal ecologically safe industrial detergent for cleaning any surfaces from any contamination.

*IDC can replace industrial detergents using solvents on the basis of oil products, alcohols, trichlorethyls, caustic alkali compositions and acids, traditionally used for in-process washing and cleaning of components and assembly units before applying electrolytic, lacquer, enamel and other protective coating.*

### **IDC finds its application:**

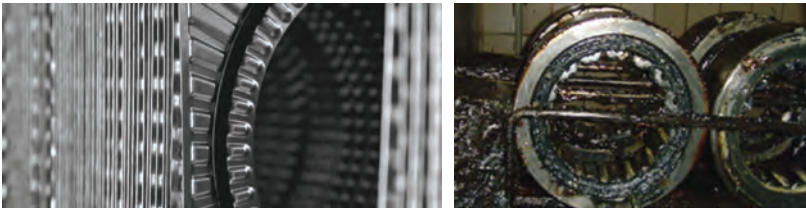
- *in the oil and gas industry;*
- *in the machine-building industry;*
- *in the aviation industry;*
- *in the car-repair shops;*
- *in cistern cleaning;*
- *in the food industry;*
- *in textile industries including degreasing leather and fur;*
- *in cleaning public utilities.*



## Application areas

### IDC is designed for:

- *washing and degreasing metal surfaces from fat and hydrocarbon compounds after mechanical restoration, before painting and galvanizing, before repair and fault detection;*
- *to separate hydrocarbons from aqueous media (as an oil displacement agent) for washing, desalting and soil remediation;*
- *flushing sewage systems and domestic sewage, in order to reduce the concentration of harmful substances;*
- *degreasing of the skin and fur;*
- *flushing operations, degreasing and passivation (protection against corrosion) of metal and painted surfaces from oil and oil products;*
- *before painting and galvanic treatment (surfaces of any metals);*
- *prior to inspection and repair (where chemical etching is not required);*
- *after machining new parts (without traces of corrosion and deposits of salt);*





## Application areas

### IDC is designed for:

- *for cleaning and degreasing “gentle” polymer coatings;*
- *washing and degreasing cleaner, ultralight metals;*
- *washing and degreasing of anodized aluminum, without disturbing the coating;*
- *cleaning the surface of polishing paste after polishing;*  
*protecting the surface of washed parts from corrosion (passivation) of up to 1,000 hours of in-process on the shop floor storage;*
- *washing the soot and grime, as well as for cleaning floors in workshops, where there are oily and greasy stains;*
- *when washing (remediating) soils and land polluted with oil and oil products as a result of leaks and spills;*
- *when washing sewage systems and domestic sewage;*
- *cleaning of laboratory glassware (highest rate washability and cleanliness).*





## Specifications

IDC is biodegradable fire-flame-proof compound classified as Grade 4 marginally hazardous substances (GOST 121 007-76) (aqueous working solution with 0,1-2 % concentration, pH = 9,0-9,2).

① **Transportation and Storage:**

*IDC can be shipped by any transport means. IDC must be stored in vacuum-packed plastic containers at storage facilities. IDC is non-toxic, fire and explosion safe and stable in any storage conditions.*

② **Warranty Period:**

*IDC storage life is 24 months from the date of manufacture.*

③ **Composition:**

*IDC detergent is produced as a solvent in the form of conserved amorphous mixture of non-ionogenic surface-active substances, inorganic salts and other specialized additives. Hydrogen exponent is pH = 9,0. Free alkali content in terms of water NaOH may be from 0,07 до 0,1 % of mechanical admixtures.*





## Basic properties



*environmentally friendly universal flushing technical degreaser;*



*it does not require special conditions of storage, transportation and disposal;*



*biodegradable;*



*not toxic, not carcinogenic, not abrasive;*



*does not have an oxidizing effect on the non-ferrous metals and alloys;*



*does not contain chlorine components;*



*has pronounced demulsifying properties (does not create a homogeneous emulsion);*



*softener, anti-static and anti-corrosive;*



*does not leave streaks when cleaning optics and glasses;*



*has a long term working solution.*

## *Solution preparation*

### **To prepare a water solution:**

- for example, 50 liters of water;
- to heat it up to 40-60 °C;
- add 1 liter of solution.

*Usual concentration — 1:20, 1:100 (degreasing before plating, powder spraying, fault detection and aggregate assembly.*

*Concentration can be reduced depending on surface contamination.*

*To stir obtained solution and detergent is ready to work.*

*The detergent is efficient under temperature from +40 to +100 °C*

### **Application method:**

*Washing and degreasing with the use of IDC should be carried out:*

- in jet washers (washing machine should be cleaned from washing agent used before;
- by hand (with the use of jet guns or brushes);
- in ultrasonic washing machines.

*Jet washing is the most effective, as the combination of high pressure and working solution temperature makes it possible to remove the most severe contamination from both ferrous and non-ferrous metals surface.*





## *Certificates of conformity*

- ① *Sanitary-Epidemiological Conclusion;*
- ② *Hygienic product characteristics;*
- ③ *Sanitary-Epidemiological Conclusion;*
- ④ *Application of Sanitary-Epidemiological Conclusion;*
- ⑤ *Certificate of conformity.*