

# Strong Heritage – Proven Success



 Russian Academy of Sciences  
Ural Branch  
Institute of Technical Chemistry

**1998** The task was set: to develop a Universal Chemical Agent for cleaning any hard surfaces from heavy oil contamination.



**2000** The first prototype of a **Universal Technical Detergent PAN** was created, and a program for product improvement and introduction into production was developed.



**2001** AMCC production and first deliveries of **PAN Universal Technical Detergent** were started, numerous trials were carried out and a product improvement program was proposed.



**2006** Patent for Invention # 2309979 Under **PAN Detergent** for removal of organic pollutants from surfaces and method of its application for cleaning wells, tubes, tanks and other surfaces from oil residue and sludge was issued.



**2006** AMCC was awarded with "European Standard" by Public Commission of the Council of Europe, for the use and implementation of new technologies in the field of environmental safety of industrial enterprises.

2006 – up to now mass production

**DPF\_PAN\_TD**

# Detergent Professional Formula

## General Description

DeProForm line PAN Technical Detergent ([DPF\\_PAN\\_TD](#)) is a multi-purpose water-based dispersing degreaser and cleaner. It is free of oxidizing agents, solvents, preservatives and enzymes.

[DPF\\_PAN\\_TD](#) is intended for cleaning and degreasing of metal surfaces and alloys, glass, ceramics, plastic, painted surfaces and other materials in various industries and sectors and for removing fatty, oily, resinous, hydrocarbon, paraffin and asphaltic-resinous deposits.

Easy-to-use & Environment Friendly;

Low consumption thanks to low rate dosing;

Possibility for regeneration of the working fluid;

High-rate penetration and strong demulsifying effect;

Cost-effective;

Protection against static electricity and fire hazard are not required;

Ideal for preparing a surface for paint.

Prevents re-depositing of paraffin;

No harm for surfaces and painting;

# Detergent Professional Formula

## DEPROFORM LINE

Example of abbreviation:

DPF\_PAN\_TD\_P\_A

DPF	PAN	TD	P	A
1	2	3	4	5

1	DPF – name of product line
2	PAN – name of material
3	TD – technical detergent
4	P – powder L – liquid
5	A – alkaline N – neutral

A - alkaline, for steels and stainless alloys.  
N - neutral, for non-ferrous metals

Delivery forms:

DPF\_PAN\_TD\_P\_A/N powder, alkaline / neutral



**Standard packaging:** bags 30 kg or big-bags 1 ton.

**Customized packaging** at the additional request of the customer.

DPF\_PAN\_TD\_L\_A/N – liquid, alkaline / neutral

**Standard packaging:** cans: 10, 20 liters,  
barrels 180 liters or euro cubes of 1000 liters



**Customized packaging** at the additional request of the customer.

## HSE REQUIREMENTS

Hazard identification:

CLP Régulations (EC) #1272/2008  
Skin Cor. 1B; Skin Sens 1; STOT SE 3

Hazard statement

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

Do not breath dusts or mists.

Wash hands thoroughly after handling.

Wear protective gloves, coverall, protective glasses.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

IF ON SKIN (hair): Take off all contaminated clothing. Rinse skin with water.

IF INHALED: Move person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes, remove contact lenses (if present), continue rinsing.

DPF\_PAN\_TD is better to use outdoor or in well ventilated area.

Avoid release to environment.

Label elements:



WHEN WORKING IT IS MANDATORY TO USE:  
OVERALL, GLASSES, GLOVES, RESPIRATORS (MASKS)