# DM0009-CLEAN RUST

Version: 3 Revision Date: 03/12/2016



#### ELABORADOS QUEMICOS SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY / UNDERTAKING.

### 1.1 Product identifier.

Product name: CLEAN RUST Product Code: DM0009

### 1.2 Relevant identified uses of the mixture and uses advised against.

Deoxidizing product, rust cleaner for vertical surfaces.

**Uses advised against:** Uses other than those recommended.

### 1.3 Details of the supplier of the safety data sheet.

Company: DREAMQUIM SL Direction: POL.IND. FONOLLAR C / BISCAIA, 5 Town: 08830 SANT BOI DEL LLOBREGAT Province: BARCELONA Phone: 652863262 E-mail: dreamquim@live.com

**1.4 Emergency telephone number:** + 34 93 640 15 49 -652863262 (Only available during office hours) Toxicological Information Service (National Institute of Toxicology and Forensic Sciences) Telephone: +34 91 5620420. Information in Spanish (24h / 365 days). Only for the purpose of providing health response in case of emergency.

## **SECTION 2: HAZARDS IDENTIFICATION.**

### 2.1 Classification of mix.

According to Regulation (EU) No 1272/2008: Eye Dam. 1: Causes serious eye damage. Skin Corr. 1A: Causes severe skin burns and eye damage.

### 2.2 Label elements.

Labeling in accordance with Regulation (EU) No 1272/2008: Pictograms:



Signal word:

Danger

H phrases:

H314 Causes severe skin burns and eye damage.

Phrases P:

P260 Do not breathe dust / fume / gas / mist / vapors / spray.

P264 Wash ... thoroughly after handling.

P280 Wear protective gloves / clothing / goggles / mask.

P303 + P361 + P353 IN CASE OF CONTACT WITH SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.

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

P310 Immediately call a POISON CENTER / doctor / ...

P321 Specific treatment is needed (see ... on this label).

P501 Dispose of contents / container to authorized treatment point.

Keep out of reach of children.

## DM0009-CLEAN RUST

Version: 3 Revision Date: 03/12/2016



ELABORADOS QUIMICOS

Restricted to professional uses. Keep only in the original container. Contains: phosphoric acid, orthophosphoric acid PEG-2 OLEAMINE

#### 2.3 Other hazards. The product may present the following additional risks: DO NOT EAT

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS.

### 3.1 Substances.

Not applicable.

### 3.2 Mixtures.

Substances that represent a danger to health or the environment according to Regulation (EC) No. 1272/2008, have an assigned community exposure limit in the workplace, are classified as PBT / vPvB or included in the List of Candidates:

			(*) Classification - Regulation 1272/2008	
Identifiers	Identifiers Name		Classification	Specific concentration limits
N. Index: 015-011- 00-6 CAS #: 7664-38-2 N. CE: 231-633-2 Registration number: 01-2119485924-24- XXXX	[1] phosphoric acid, orthophosphoric acid	> = 10% <25%	Skin Corr. 1B, H314	Skin Corr. 1B, H314: $C \ge 25\%$ Skin Irrit. 2, H315: 10% $\le C$ <25% Eye Irrit. 2, H319: 10% $\le C$ <25%
CAS #: 26635-93-8 CE number: 500-048- 7	PEG-2 OLEAMINE	> = 2.5% <10%	Acute Tox. 4, H302 - Aquatic Acute 1, H400 - Eye Dam. 1, H318	-

(\*) The complete text of the H phrases is detailed in section 16 of this Safety Data Sheet.

[1] Substance to which a Community workplace exposure limit applies (see section 8.1).

## **SECTION 4: FIRST AID MEASURES.**

The information on the updated composition of the product has been sent to the Toxicological Information Service (National Institute of Toxicology and Forensic Sciences). In case of poisoning, call the Toxicological Information Service: Phone (24 hours) 91 562 04 20

## 4.1 Description of first aid measures.

In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never give anything by mouth to people who are unconscious.

### Inhalation.

Place the injured person outdoors, keep him warm and at rest, if breathing is irregular or stops, practice artificial respiration. Do not administer anything oral way. If unconscious, put him in a suitable position and seek medical help.

### Eye contact.

Flush eyes with clean, cool water for at least 10 minutes, pulling up on the eyelids and seek medical assistance.

### <u>Skin contact</u>.

Remove contaminated clothing. Wash skin vigorously with soap and water or a suitable skin cleanser. NEVER use solvents or thinners.

### Ingestion.

If accidentally swallowed, seek immediate medical attention. Keep him at rest. NEVER induce vomiting.

# DM0009-CLEAN RUST

Version: 3 Revision Date: 03/12/2016



ELABORADOS QUIMICOS

### 4.2 Most important symptoms and effects, both acute and delayed.

Corrosive product, contact with the eyes or skin can cause burns, ingestion or inhalation can cause internal damage, if it occurs, immediate medical assistance is required.

### 4.3 Indication of any immediate medical attention and special treatment needed.

In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never give anything by mouth to people who are unconscious.

## SECTION 5: FIRE-FIGHTING MEASURES.

The product does not present any particular risk in case of fire.

### 5.1 Extinguishing media.

### Recommended extinguishing media.

Extinguishing powder or CO2. Also alcohol-resistant foam and water spray for more serious fires. Do not use a direct stream of water to extinguish.

### 5.2 Specific hazards arising from mix.

#### Special risks.

Fire can produce thick black smoke. As a consequence of thermal decomposition, dangerous products can be formed: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to health.

### 5.3 Recommendations for firefighters.

Cool tanks, cisterns or containers near the source of heat or fire with water. Take into account the direction of the wind. Prevent products used in fire fighting from entering drains, sewers or water courses.

### Fire protection equipment.

Depending on the extent of the fire, the use of protective suits against heat, self-contained breathing apparatus, gloves, goggles or face masks, and boots may be necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES.

### 6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

### 6.2 Environmental precautions.

Avoid contamination of drains, surface or underground waters, as well as the soil.

### 6.3 Methods and material for containment and cleaning up.

Collect spillage with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth ...). Pour the product and absorbent into a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. Pour the decontaminant on the remains and leave it for several days until no reaction occurs, in an unopened container.

### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8. For waste disposal, follow the recommendations in section 13.

## SECTION 7: HANDLING AND STORAGE.

### 7.1 Precautions for safe handling.

For personal protection, see section 8. Never use pressure to empty the containers, they are not pressure resistant containers. Smoking, eating and drinking should be prohibited in the application area.

Comply with the legislation on safety and hygiene at work.

Store the product in containers made of identical material to the original.

### 7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe the indications of the tag. Store containers between 5 and 35°C, in a dry and wellventilated place, away from sources of heat and direct sunlight. Keep away from points of ignition. Keep away from oxidizing agents and strongly acidic or alkaline materials. No Smoking. Send the invite to unauthorized people. Once the containers are opened, they must be carefully resealed and placed vertically to avoid spillage.

DM0009-CLEAN RUST

Version: 3 Revision Date: 03/12/2016



ELABORADOS QUIMICOS

The product is not affected by Directive 2012/18 / EU (SEVESO III). **7.3 Specific end uses.** Acid rust cleaning product for vertical surfaces.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION.

### 8.1 Control parameters.

Exposure limit during work for:

Name	CAS No.	country	Limit value	ppm	mg / m3
phaenharic acid orthophaenharic acid	7664-38-2	Copin [1]	Eight hours		1
phosphoric acid, orthophosphoric acid	7004-30-2		pain [1] Short term		2

[1] According to the list of Environmental Limit Values for Professional Exposure adopted by the National Institute for Safety and Hygiene at Work (INSHT) for 2016.

The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

### **Technical measures:**

Provide adequate ventilation, which can be achieved through good local exhaust-ventilation and a good general exhaust system.

Concentration:	100%				
Applications:		rust cleaner for vertical surfaces.			
Respiratory prote					
PPE:	Filtering mask for protection against gases and particles				
Features:	Marking «CE» Category III. The mask must have a wide field of vision and an anatomical shape to offer tightness and tightness.				
CEN standards:	EN 136, EN 140, EN 405				
Maintenance:		n places exposed to high temperatures and humid environments before use. The on and exhalation valves of the facial adapter must be especially checked.			
Observations:	The manufacturer's instructions regarding the use and maintenance of the equipment should be read carefully. The necessary filters will be attached to the equipment according to the specific characteristics of the risk (Particles and aerosols: P1-P2-P3, Gases and vapors: ABEK-AX), changing them according to the manufacturer's advice.				
Type of filter					
required:	A2				
Hand protection:	·				
PPE:	Non-disposable gloves for protection against chemicals				
Features:	Marking «CE» Category III. The list of chemicals against which the glove has been tested should be reviewed.				
CEN standards:	EN 374-1, EN 374- 2, EN 374-3, EN 420				
Maintenance:	before they are permeat	tablished for the periodic replacement of gloves to ensure that they are changed and by contaminants. The use of contaminated gloves can be more dangerous cause the contaminant can accumulate in the component material of the glove.			

## SAFETY DATA SHEET

(according to Regulation (EU) 2015/830)

## DM0009-CLEAN RUST

Version: 3

Revision Date: 03/12/2016



Observations:	They will be replaced	whenever breaks, cracks	or deformations	ELABORADOS QUIMIC are observed and wh	os en external dirt may
Observations.	reduce their resistan				
Material:	PVC (Polyvinyl Chloride)	Breakthrough time > 4 (min.):	80	Material thickness (mm):	0.35
Eye protection:					•
PPE:	Protective glasses				
PPC:	with full frame				
	Marking «CE»				
	Category II.				
	Integral frame eye				
Features:	shield for		Q	<b>T</b>	
	protection against				
	dust, fumes, mists				
	and vapors. EN 165, EN 166,				
CEN standards:	EN 167, EN 168				
	,	eyepieces must be optima	l for which thes	e elements must he cl	eaned daily the
Maintenance:		eriodically disinfected follo			curred duily, the
		ration can be: yellow color			tches on the
Observations:	eyepieces, tears, etc				
Skin care:	,, <b>,</b> , ,				
PPE:	Chemical protective				
· · · E.	clothing				
	Marking «CE»				
	Category III.				
	Clothing must have				
	a good fit. The				
	level of protection				
	must be set according to a test				
	parameter called "				
Features:	Breakthrough Time			Y.	
	" (BT. Breakthrough			K,	
	Time) which				
	indicates the time it				
	takes for the				
	chemical to pass				
	through the				
	material.				
	EN 464, EN 340,				
CEN standards:	EN 943-1, EN 943- 2, EN ISO 6529, EN				
CLIN Stanuarus.	ISO 6530, EN				
	13034				
		rage instructions provided	by the manufac	turer must be followe	d to guarantee
Maintenance:	invariable protection				
	The design of the pr	otective clothing should fa	cilitate its correc	t positioning and its p	ermanence without
Observations:	displacement, during	the period of intended us	e, taking into ac	count environmental f	actors, together with
		postures that the user may	y adopt during th	neir activity.	
	Safety footwear				
PPE:	against chemicals				
	and with antistatic				
	properties Marking «CE»				
	Marking «CE» Category III. The				
	list of chemicals to				
Features:	which the footwear			7	
	is resistant should			K	
	be reviewed.				
	EN ISO 13287, EN				
	13832-1, EN				
CEN standards:	13832-2, EN				
	13832-3, EN ISO				
	20344, EN ISO				
	20345				

## DM0009-CLEAN RUST

Version: 3 Revision Date: 03/12/2016 Page 6 of 11 Printing date: 12/03/2016

Maintenance:	For the correct maintenance of this type of safety footwear, it is essential to take into account the instructions specified by the manufacturer. Footwear should be replaced if there is any indication of deterioration.
Observations:	Footwear should be cleaned regularly and dried when wet but not placed too close to a heat source to avoid sudden changes in temperature.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

### 9.1 Information on basic physical and chemical properties.

Appearance: Viscous Liquid Color: Amber Odor: ND / NA Odor threshold: ND / NA pH: 1 Melting Point: ND / NA Boiling point / range: 209 °C Flash point: ND / NA Evaporation rate: ND / NA Flammability (solid, gas): Not flammable Lower explosion limit: ND / NA Upper explosion limit: ND / NA Vapor Pressure: 21,773 Vapor density: ND / NA Relative density: 1.2 g / cm3 Solubility: Soluble in water Liposolubility: ND / NA Solubility in water: ND / NA Partition coefficient (n-octanol / water): ND / NA Autoignition temperature: ND / NA Decomposition temperature: ND / NA Viscosity: ND / NA Explosive properties: ND / NA Oxidizing properties: ND / NA ND / NA = Not Available / Not Applicable due to the nature of the product.

### 9.2 Other information.

Drop Point: ND / NA Blink: ND / NA Kinematic Viscosity: ND / NA ND / NA = Not Available / Not Applicable due to the nature of the product.

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

The product does not present dangers due to its reactivity.

### 10.2 Chemical stability.

Unstable in contact with:

- Bases.

### **10.3 Possibility of hazardous reactions.**

Neutralization may occur in contact with bases.

### 10.4 Conditions to avoid.

- Avoid contact with bases.

### 10.5 Incompatible materials.

Avoid the following materials:

- Bases.

### 10.6 Hazardous decomposition products.

DM0009-CLEAN RUST

Version: 3 Revision Date: 03/12/2016



ELABORADOS QUIMICOS

Depending on the conditions of use, the following products can be generated: - Corrosive gases or vapors.

## SECTION 11: TOXICOLOGICAL INFORMATION.

### 11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the removal of oil from the skin, leading to non-allergic contact dermatitis and the product being absorbed through the skin.

### Toxicological information of the substances present in the composition.

Name	Acute toxicity				
Naille	Туре	Test Species		Value	
		LD50 Rat		1530 mg / kg bw [1]	
	Oral	[1] BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets. Vol. 17-4 / 1970			
phosphoric acid, orthophosphoric acid		LD50	Rabbit	2740 mg / kg bw [1]	
	Cutaneous	[1] BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets. Vol. 17-4 / 1970			
	Inhalation				
CAS #: 7664-38-2 N. CE: 231-633-2	Innalation				

a) acute toxicity; Inconclusive data for classification.

Acute toxicity estimate (ATE): Mixes: ATE (Oral) = 16,667 mg / kg

b) skin corrosion or irritation; Classified product: Skin Corrosive, Category 1A: Causes severe skin burns and eye damage.

c) serious eye damage or eye irritation; Classified product: Serious eye damage, Category 1: Causes serious eye damage.

d) respiratory or skin sensitization; Inconclusive data for classification.

e) germ cell mutagenicity; Inconclusive data for classification.

f) carcinogenicity; Inconclusive data for classification.

g) toxicity to reproduction; Inconclusive data for classification.

h) specific target organ toxicity (STOT) - single exposure; Inconclusive data for classification.

i) Specific target organ toxicity (STOT) - repeated exposure; Inconclusive data for classification.

j) aspiration hazard; Inconclusive data for classification.

## **SECTION 12: ECOLOGICAL INFORMATION.**

### 12.1 Toxicity.

# SAFETY DATA SHEET

(according to Regulation (EU) 2015/830)

## DM0009-CLEAN RUST

Version: 3

Revision Date: 03/12/2016



ELABORADOS QUIMICOS

Name	Ecotoxicity				
Name	Туре	Test	Species	Value	
		pН	Bluegill fish	3-3.25 [1]	
	Fishes				
		[1] Fish mortality is due to pH values			
phosphoric acid, orthophosphoric acid	Aquatia	EC50	Daphnia magna	> 100 mg / L (48H) [1]	
	Aquatic invertebrates	[1] OECD 2	202, fresh water		
		EC50	ALGAE	> 100 mg / L (72H) [1]	
CAS #: 7664-38-2 N. CE: 231-633-2	Aquatic plants				
CAS #. 7004-30-2 N. CE: 231-033-2		[1] OECD 2	201, fresh water.		

### 12.2 Persistence and degradability.

There is no information available on the persistence and degradability of the product.

The substance is inorganic, therefore no biodegradation tests are applied.

Phosphoric acid decomposes in water into H3 +, H2PO4- ions, which cannot be further degraded.

**12.3 Bioaccumulative Potential.** There is no information regarding the Bioaccumulation of the substances present.

### 12.4 Mobility in the ground.

No information is available on mobility in soil. The product should not be allowed to enter sewers or water courses. Avoid penetration into the ground.

### 12.5 Results of PBT and vPvB assessment.

No information is available on the PBT and vPvB assessment of the product.

### 12.6 Other adverse effects.

No information is available on other adverse effects on the environment. In the undiluted or not neutralized state, do not allow it to infiltrate into groundwater, surface water or sewers. The discharge of large quantities in the canalization or in the waters can cause a drop in the pH value. A low pH value is harmful to aquatic organisms.

## SECTION 13: DISPOSAL CONSIDERATIONS.

### 13.1 Waste treatment methods.

Its discharge into sewers or water courses is not allowed. Waste and empty containers must be handled and disposed of in accordance with current local / national laws.

Follow the provisions of Directive 2008/98 / EC regarding waste management.

## SECTION 14: TRANSPORTATION INFORMATION.

Transport following ADR / TPC regulations for road transport, RID for rail, IMDG for sea and ICAO / IATA for air transport. **Land:** Road transport: ADR, Rail transport: RID. Transport documentation: consignment note and written instructions.

**Sea:** Ship transport: IMDG.

Transport documentation: Bill of lading. Air: Transport by plane: IATA / ICAO.

Transport document: Air waybill.

14.1 UN number.

DM0009-CLEAN RUST

Version: 3 Revision Date: 03/12/2016



ELABORADOS QUIMICOS

UN No.: UN1760

### 14.2 UN proper shipping name.

Description: ADR: UN 1760, CORROSIVE LIQUID, NOS (CONTAINS PHOSPHORIC ACID, ORTHOPHOSPHORIC ACID), 8, GE I, (E) IMDG: UN 1760, CORROSIVE LIQUID, NOS (CONTAINS PHOSPHORIC ACID, ORTHOPHOSPHORIC ACID), 8, GE / EI ICAO: UN 1760, CORROSIVE LIQUID, NOS (CONTAINS PHOSPHORIC ACID, ORTHOPHOSPHORIC ACID), 8, GE I

## 14.3 Class (es) of danger for transport.

Class (es): 8

14.4 Packing group.

Packing group: I

## 14.5 Environmental hazards.

Marine pollutant: No

### 14.6 Special precautions for users.

Labels: 8



Hazard number: 88 Limited quantity ADR: 0 IMDG limited quantity: 0 ICAO limited quantity: 0

Provisions relating to transport in bulk in ADR: Transport in bulk is not authorized according to ADR. Transport by ship, FEm - Emergency sheets (F - Fire, S - Spills): FA, SB Act according to point 6.

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.

The product is not affected by bulk transport on ships.

## SECTION 15: REGULATORY INFORMATION.

### 15.1 Safety, health and environmental regulations and legislation specific for the mixture.

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and of the Council, of September 16, 2009, on substances that deplete the ozone layer.

Volatile organic compound (VOC) VOC content (w / w): 0% VOC content: 0 g / I

The product is not affected by Directive 2012/18 / EU (SEVESO III). The product is not affected by Regulation (EU) No 528/2012 regarding the marketing and use of biocides. The product is not affected by the procedure established in Regulation (EU) No 649/2012, relative to the export and import of dangerous chemical products.

### 15.2 Chemical safety assessment.

A chemical safety assessment of the product has not been carried out.

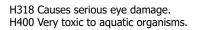
## **SECTION 16: OTHER INFORMATION.**

Full text of the H phrases that appear in section 3:

H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.

## DM0009-CLEAN RUST

Version: 3 Revision Date: 03/12/2016





ELABORADOS QUIMICOS

Classification codes:

Acute Tox. 4 [Oral]: Acute oral toxicity, Category 4 Aquatic Acute 1: Acute toxicity to the aquatic environment, Category 1 Eye Dam. 1: Serious eye injury, Category 1 Skin Corr. 1A: Skin Corrosive, Category 1A Skin Corr. 1B: Skin Corrosive, Category 1B

Sections modified compared to the previous version:

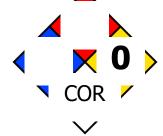
1,2,3,4,7,8,9,10,11,12,14,16

It is advisable to carry out basic training regarding occupational safety and hygiene to carry out a correct handling of the product.

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No.	Name	State
7664-38-2	phosphoric acid, orthophosphoric acid	Registered
26635-93-8	PEG-2 OLEAMINE	Registered

NFPA 704 Hazard Rating System:



Abbreviations and acronyms used:

Risk - Health: 1 (Slightly hazardous) Flammability: 0 (Does not burn)

Reactivity: 0 (Stable)

Specific risk: COR (Corrosive)

ADR: European Agreement on the International Transport of Dangerous Goods by Road.
CEN: European Committee for Standardization.
EC50: Average effective concentration.
PPE: Personal protective equipment.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
IMDG: International Maritime Dangerous Goods Code.
LC50: Lethal Concentration, 50%.
LD50: Lethal Dose, 50%.

RID: Regulation concerning the international transport of dangerous goods by rail.

Main bibliographic references and data sources: http://eur-lex.europa.eu/homepage.html http://echa.europa.eu/ Regulation (EU) 2015/830. Regulation (EC) No 1907/2006. Regulation (EU) No 1272/2008.

The information provided in this Safety Data sheet has been drawn up in accordance with COMMISSION REGULATION (EU) 2015/830 of May 28, 2015, which modifies Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, regarding the registration, evaluation, authorization and restriction of chemical substances and mixtures (REACH), which creates the European Chemicals Agency, amends Directive 1999/45 / EC and Council Regulation (EC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769 / EEC and Directives 91/155 / EEC, 93/67 / are repealed EEC, 93/105 / EC and 2000/21 / EC of the Commission.

DM0009-CLEAN RUST

Version: 3 Revision Date: 03/12/2016



ELABORADOS QUIMICOS

The information in this Product Safety Data Sheet is based on current knowledge and on current CE and national laws, insofar as the working conditions of users are beyond our knowledge and control. The product should not be used for purposes other than those specified, without first having a written instruction on its handling. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established in the legislation.