

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : DYNA CLEAN FC WB
Revision date : 25-04-2018
Print date : 25-04-2018

Version : 1.0.0

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

DYNA CLEAN FC WB (92002)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Industrial uses: Uses of substances as such or in preparations at industrial sites Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Printing and reproduction of recorded media

Product Categories [PC]

PC14 - Metal surface treatment products, including galvanic and electroplating products

PC15 - Non-metal-surface treatment products

PC21 - Laboratory chemicals

Process categories [PROC]

PROC2 - Use in closed, continuous process with occasional controlled exposure

PROC3 - Use in closed batch process (synthesis or formulation)

PROC4 - Use in batch and other process (synthesis) where opportunity for exposure arises

PROC5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)

PROC8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC10 - Roller application or brushing

PROC13 - Treatment of articles by dipping and pouring

Environmental release categories [ERC]

ERC4 - Industrial use of processing aids in processes and products, not becoming part of articles

ERC8a - Wide dispersive indoor use of processing aids in open systems

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

PCO Europe B.V.

Street : Soeverinstraat 9

Postal code/city : 4879NN Etten-Leur

Country : Nederland

Telephone : +31 765032880

1.4 Emergency telephone number

European Emergency number: 112 Only for the purpose of informing medical personnel in cases of acute intoxications.
UNITED KINGDOM: National Poison Centre – Poison Information Service 111 IRELAND:Poisons Information Centre of Ireland 01 809 2166

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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Hazard pictograms



Corrosion (GHS05)

Signal word

Danger

Hazard components for labelling

PHOSPHORIC ACID, MONO- AND DI-C6-10-ALKYL ESTERS ; CAS No. : 68307-94-8
ALCOHOL C13, BRANCHED ETHOXYLATED ; CAS No. : 69011-36-5
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; CAS No. : 64-02-8

Hazard statements

H318 Causes serious eye damage.
H315 Causes skin irritation.

Precautionary statements

P264 Wash ... thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P310 Immediately call a POISON CENTER/doctor/....
P321 Specific treatment (see ... on this label).
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of water/....

Special rules for supplemental label elements for certain mixtures

EUH208 Contains A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1). May produce an allergic reaction.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

ALCOHOL C13, BRANCHED ETHOXYLATED ; EC No. : POLYMER; CAS No. : 69011-36-5

Weight fraction : $\geq 1 - < 3 \%$
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

PHOSPHORIC ACID, MONO- AND DI-C6-10-ALKYL ESTERS ; REACH registration No. : 01-2119941540-45 ; EC No. : 269-616-7; CAS No. : 68307-94-8

Weight fraction : $\geq 1 - < 3 \%$
Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314 Eye Dam. 1 ; H318

2- (2-BUTOXYETHOXY)ETHANOL ; REACH registration No. : 01-2119475104-44 ; EC No. : 203-961-6; CAS No. : 112-34-5

Weight fraction : $\geq 1 - < 5 \%$
Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; REACH registration No. : 01-2119486762-27 ; EC No. : 200-573-9; CAS No. : 64-02-8

Weight fraction : $\geq 1 - < 3 \%$
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H332

SODIUM HYDROXIDE ; EC No. : 215-185-5; CAS No. : 1310-73-2

Weight fraction : $\geq 0,5 - < 1 \%$
Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1A ; H314 Eye Dam. 1 ; H318

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A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9

Weight fraction : $\geq 0,00015 - < 0,0015 \%$

Classification 1272/2008 [CLP] : Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Acute Tox. 3 ; H331 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Additional information

Full text of H- and EUH-phrases: see section 16.

3.3 Additional information

All components are expressed in weight percent All ingredients of this mixture are (pre)registered according to REACH regulation. Or the substance is exempted from registration on the basis of the provisions of the REACH Regulation.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Call a physician in any case!

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Change contaminated, saturated clothing. In case of skin reactions, consult a physician. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. Call a physician immediately.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions Causes serious eye damage. Irritating to skin.

4.3 Indication of any immediate medical attention and special treatment needed

Special treatment

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1 Extinguishing media

All extinguishing media can be used. Water Foam Extinguishing powder Carbon dioxide (CO₂)

Suitable extinguishing media

No data available

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated:

Carbon monoxide Carbon dioxide (CO₂) Nitrogen oxides (NO_x)

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

5.4 Additional information

Do not inhale explosion and combustion gases. flame-resistant

Do not allow run-off from fire-fighting to enter drains or water courses.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (refer to section 8). Spill area may be slippery.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Consult the appropriate authorities about waste disposal. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clear spills immediately. Discharge into the environment must be avoided. Ensure waste is collected and contained.

6.4 Reference to other sections

SECTION 8: Exposure controls/personal protection
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

When using do not eat or drink. When using, do not smoke. Handle and open container with care. All work processes must always be designed so that the following is as low as possible: All work processes must always be designed so that the following is as low as possible: Skin contact Eye contact Eye contact Skin contact

Protective measures

Wear personal protection equipment (refer to section 8). Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep/Store only in original container. Ensure adequate ventilation of the storage area.

Recommended storage temperature From 5°C to 35°C.

Keep away from UV-radiation/sunlight

Avoid: Frostbite

Materials to avoid Strong acid

Hints on joint storage

Lewis-base.

Storage class : 10

Storage class (TRGS 510) : 10

7.3 Specific end use(s)

Recommendation

The product is intended for professional use. Industrial uses

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

To date, no national critical limit values exist.

8.2 Exposure controls



Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

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Personal protection equipment

Eye glasses with side protection DIN EN 166

Skin protection

Avoid repeated or prolonged skin contact.

Hand protection

Wear suitable gloves resistant to chemical penetration.(EN 374//EN 381) Breakthrough time (maximum wearing time) > 480 min. Thickness of the glove material >0,38 mm Suitable material NBR (Nitrile rubber)

By short-term hand contact : In the case of wanting to use the gloves again, clean them before taking off and air them well. Avoid repeated or prolonged skin contact.

Respiratory protection

Usually no personal respiratory protection necessary. Provide adequate ventilation.

General health and safety measures

When using do not eat or drink. When using, do not smoke.
Provide eye shower and label its location conspicuously

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour characteristic Odour threshold No data available

Appearance : liquid

Colour : translucent

Odour : characteristic

Safety relevant basis data

Melting point/melting range :	(1013 hPa)			not applicable
Freezing point :	(1013 hPa)	approx.	0	°C
Initial boiling point and boiling range :	(1013 hPa)	>	100	°C
Decomposition temperature :	(1013 hPa)			No data available
Flash point :		>	100	°C
Ignition temperature :				No data available
Lower explosion limit :				No data available
Upper explosion limit :				No data available
Density :	(20 °C)		1 - 1,05	g/cm ³
Water solubility :	(20 °C)			No data available
pH :		approx.	10,5	
log P O/W :				No data available
Viscosity :	(20 °C)			No data available
Odour threshold :				No data available
Evaporation rate :				No data available
Vapourisation rate :				No data available
Maximum VOC content (EC) :		<	1	Wt % 1999/13/EC
Oxidising liquids :	No data available.			

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

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10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong acid Lewis-base.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Irritating to skin. May cause an allergic skin reaction. Causes serious eye damage.

Acute effects

Acute oral toxicity

Parameter :	LD50 (ALCOHOL C13, BRANCHED ETHOXYLATED ; CAS No. : 69011-36-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	500 - 2000 mg/kg
Method :	OECD 401
Parameter :	LD50 (PHOSPHORIC ACID, MONO- AND DI-C6-10-ALKYL ESTERS ; CAS No. : 68307-94-8)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (2- (2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; CAS No. : 64-02-8)
Exposure route :	Oral
Species :	Rat
Effective dose :	1780 - 2000 mg/kg

Acute dermal toxicity

Parameter :	LD50 (2- (2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg

Acute inhalation toxicity

Parameter :	LC50 (TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; CAS No. : 64-02-8)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	1000 - 5000 mg/m ³
Exposure time :	6 h

Irritant and corrosive effects

Primary irritation to the skin

Irritant and corrosive effects

Irritation to eyes

Eye damage/irritation

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Irritation to respiratory tract

No data available

Sensitisation

Avoid repeated or prolonged skin contact.

Repeated dose toxicity (subacute, subchronic, chronic)

Subacute inhalation toxicity

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

11.2 Toxicokinetics, metabolism and distribution

No data available

11.3 Symptoms related to the physical, chemical and toxicological characteristics

Has degreasing effect on the skin.

11.4 Other adverse effects

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (ALCOHOL C13, BRANCHED ETHOXYLATED ; CAS No. : 69011-36-5)

Species : Brachydanio rerio (zebra-fish)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : 3 mg/l

Exposure time : 96 h

Parameter : LC50 (PHOSPHORIC ACID, MONO- AND DI-C6-10-ALKYL ESTERS ; CAS No. : 68307-94-8)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : > 100 mg/l

Exposure time : 48 h

Method : OECD 203

Parameter : LC50 (PHOSPHORIC ACID, MONO- AND DI-C6-10-ALKYL ESTERS ; CAS No. : 68307-94-8)

Species : ARCATIA TONSA

Evaluation parameter : Toxicity to other aquatic plants/organisms

Effective dose : > 100 mg/l

Method : ISO/CD 14669

Parameter : LC50 (TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; CAS No. : 64-02-8)

Species : Lepomis macrochirus (Bluegill)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : > 100 mg/l

Exposure time : 96 h

Chronic (long-term) fish toxicity

Parameter : NOEC (TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; CAS No. : 64-02-8)

Species : Brachydanio rerio (zebra-fish)

Evaluation parameter : Chronic (long-term) fish toxicity

Effective dose : >= 36,9 mg/l

Exposure time : 35 DAY

Parameter : NOEC (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

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Species : Skeletonema costatum
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 0,00064 mg/l
Exposure time : 48 h
Parameter : NOEC (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : 4 mg/l
Exposure time : 21 DAY
Parameter : NOEC (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Chronic (long-term) fish toxicity
Effective dose : 98 mg/l
Exposure time : 28 DAY
Parameter : NOEC (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

Species : Pseudokirchneriella subcapitata
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 0,0012 mg/l
Exposure time : 72 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (ALCOHOL C13, BRANCHED ETHOXYLATED ; CAS No. : 69011-36-5)

Species : Scenedesmus subspicatus
Effective dose : 9,7 mg/l
Exposure time : 96 h

Parameter : EC50 (ALCOHOL C13, BRANCHED ETHOXYLATED ; CAS No. : 69011-36-5)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 1,5 mg/l
Exposure time : 48 h

Parameter : EC50 (TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; CAS No. : 64-02-8)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 100 mg/l
Exposure time : 48 h

Chronic (long-term) daphnia toxicity

Parameter : NOEC (TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; CAS No. : 64-02-8)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : 25 mg/l
Exposure time : 21 DAY

Acute (short-term) algae toxicity

Parameter : EC50 (PHOSPHORIC ACID, MONO- AND DI-C6-10-ALKYL ESTERS ; CAS No. : 68307-94-8)

Species : Skeletonema costatum
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 100 mg/l
Exposure time : 72 h

Parameter : EC50 (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 0,1 mg/l

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Exposure time : 48 h
Parameter : EC50 (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species : Skeletonema costatum
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 0,0052 mg/l
Parameter : EC50 (A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species : Pseudokirchneriella subcapitata
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 48 mg/l
Exposure time : 72 h

Chronic (long-term) algae toxicity

Parameter : NOEC (PHOSPHORIC ACID, MONO- AND DI-C6-10-ALKYL ESTERS ; CAS No. : 68307-94-8)
Species : Skeletonema costatum
Evaluation parameter : Chronic (long-term) algae toxicity
Effective dose : > 100 mg/l

Terrestrial toxicity

Toxicity to terrestrial plants

Chronic plant toxicity

Parameter : NOEC (TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; CAS No. : 64-02-8)
Species : Chronic plant toxicity
Effective dose : 84 mg/kg

12.2 Persistence and degradability

The product is an alkali. Before discharge into sewage plants the product normally needs to be neutralised.

12.3 Bioaccumulative potential

Mixture not tested.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

The product leads to changes in the pH value of the test system. The result refers to an unneutralised sample. After neutralisation, no significant reduction in toxic effects is observed.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Dispose according to legislation.

Waste code (91/689/EEC) : 16 10 03* aqueous concentrates containing dangerous substances

Product/Packaging disposal

Packing which cannot be properly cleaned must be disposed of.

13.2 Additional information

Do not allow uncontrolled discharge of product into the environment.

SECTION 14: Transport information

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14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

a.i. = Active ingredient

ACGIH = American Conference of Governmental Industrial Hygienists (US)

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

AFFF = Aqueous Film Forming Foam

AISE = International Association for Soaps, Detergents and Maintenance Products (joint project of AISE and CEFIC)

AOAC = AOAC International (formerly Association of Official Analytical Chemists)

aq. = Aqueous

ASTM = American Society of Testing and Materials (US)

atm = Atmosphere(s)

B.V. = Beperkt Vennootschap (Limited)

BCF = Bioconcentration Factor

bp = Boiling point at stated pressure

bw = Body weight

ca = (Circa) about

CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)

CEFIC = European Chemical Industry Council (established 1972)

CIPAC = Collaborative International Pesticides Analytical Council

CLP = REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Conc = Concentration

cP = CentiPoise

cSt = Centistokes

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d = Day(s)
DIN = Deutsches Institut für Normung e.V.
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC = European Community; European Commission
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EU = European Union
EWC = European Waste Catalogue
FAO = Food and Agriculture Organization (United Nations)
GIFAP = Groupement International des Associations Nationales de Fabricants de Produits Agrochimiques (now CropLife International)
h = Hour(s)
hPa = HectoPascal (unit of pressure)
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG Code = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
ISO = International Organization for Standardization
IUCLID = International Uniform Chemical Information Database
IUPAC = International Union of Pure and Applied Chemistry
kg = Kilogram
Kow = Distribution coefficient between n-octanol and water
kPa = KiloPascal (unit of pressure)
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
mg = Milligram
min = Minute(s)
ml = Milliliter
mmHg = Pressure equivalent to 1 mm of mercury (133.3 Pa)
mp = Melting point
MRL = Maximum Residue Limit
MSDS = Material Safety Data Sheet
n.o.s. = Not Otherwise Specified
NIOSH = National Institute for Occupational Safety and Health (US)
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
NOx = Oxides of Nitrogen
OECD = Organization for Economic Cooperation and Development
OEL = Occupational Exposure Limits
Pa = Pascal (unit of pressure)
PBT = Persistent, Bioaccumulative or Toxic
pH = -log₁₀ hydrogen ion concentration
pKa = -log₁₀ acid dissociation constant
PNEC = Previsible Non Effect Concentration
POPs = Persistent Organic Pollutants
ppb = Parts per billion
PPE = Personal Protection Equipment
ppm = Parts per million
ppt = Parts per trillion
PVC = Polyvinyl Chloride

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : DYNA CLEAN FC WB
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QSAR = Quantitative Structure-Activity Relationship
REACH = Registration, Evaluation and Authorization of Chemicals (EU, see NCP)
SI = International System of Units
STEL = Short-Term Exposure Limit
tech. = Technical grade
TSCA = Toxic Substances Control Act (US)
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative
WHO = World Health Organization = OMS
y = Year(s)

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

16.5 Relevant H- and EUH-phrases (Number and full text)

H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
