

Issuing date: 01.06.2020

Revision date: 22.06.2021

Version: 2.00 / ENG

Safety data sheet: Z-SUPPORT ATP Activator

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1. PRODUCT IDENTIFIER

Trade name: Z-SUPPORT ATP Activator

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified use: For washing and cleaning prints.

Use advised against: No information available.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier: Zortrax S.A.
Lubelska 43a
10-410 Olsztyn
Poland
TEL. +48 89 672 40 01

Made in: EU

1.4. EMERGENCY TELEPHONE NUMBER

Emergency telephone number: 112

SECTION 2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Regulation (EC) No. 1272/2008

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes serious eye irritation.

2.2. LABEL ELEMENTS

According to the Regulation (WE) 1272/2008:

Pictograms:



Signal Word:

WARNING

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statement:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear eye protection/face protection.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. OTHER HAZARDS

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Not applicable

3.2. MIXTURES

Name	CAS EC Index No REACH Registration No	Content % w/w	CLP classification
Sodium carbonate	497-19-8 207-838-8 011-005-00-2	> 30 %	Eye Irrit. 2, H319
Natriumdisilikat	1344-09-8 215-687-4 01-2119448725-31	< 10 %	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H and EUH statements: see section 16.

Further Information:

Labelling for contents according to regulation (EC) No. 648/2004:

< 5 % anionic surfactants

SECTION 4. FIRST AID MEASURES**4.1. DESCRIPTION OF FIRST AID MEASURES**

General information:

Move victim out of danger zone.

Eye contact:

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently, consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact:

After contact with skin, wash immediately with: water and soap. In case of skin irritation, seek medical treatment.

Ingestion:

Drink water in little sips (dilution effect).
Call a physician immediately. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Caution if victim vomits: Risk of aspiration! Let water be drunk in little sips (dilution effect). If accidentally swallowed, rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Inhalation:

Following inhalation: Move victim to fresh air. Consult physician.

If unconscious place in recovery position and seek medical advice.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES**5.1. EXTINGUISHING MEDIA**

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, carbon dioxide (CO₂), dry extinguishing powder, extinguishing powder.
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:

Full water jet

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Special hazards arising from the substance or mixture:

burning produces carbon dioxide (CO₂), carbon monoxide and nitrogen oxides (NO_x).

5.3. ADVICE FOR FIREFIGHTERS

In the case of fire:	Wear self-contained breathing apparatus. Wear chemical resistant suit.
In case of fire and/or explosion:	Do not breathe fumes. Suppress gases/vapours/mists with water spray jet.
German Industry Norms (DIN) / European Norms (EN):	DIN EN 469

Additional information:

Collect contaminated fire extinguishing water separately. Do not allow to enter drains or surface water.
Dispose of waste according to applicable legislation.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear personal protection equipment. High slip hazard because of leaking or spilled product. Avoid contact with skin and eyes.

6.2. ENVIRONMENTAL PRECAUTIONS

Contaminated fire-fighting water must be collected separately. Do not allow to enter into soil/subsoil. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Clean contaminated articles and floor according to the environmental legislation.

6.4. REFERENCE TO OTHER SECTIONS

See SECTION 8 for personal protection information. See SECTION 13 for disposal considerations.

SECTION 7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Advice on safe handling

Avoid contact with skin and eyes.
When using do not eat, drink or smoke.

Advice on protection against fire and explosion

No special precautionary measures are necessary.

Further information on handling

Notice the directions for use on the label.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Requirements for storage rooms and vessels

Store only in original container.

Keep container tightly closed in a cool, well-ventilated place.

Conditions to avoid:

UV-radiation/sunlight.

Keep away from food, drink and animal feeding stuff.

Further information on storage conditions:

Keep container tightly closed.

Protect against: frost

7.3. SPECIFIC END USE(S)

See SECTION 1.2.

Exposure scenario: no data available

Other guidelines: no data available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Additional advice on limit values

To date, no national critical limit values exist.

8.2. EXPOSURE CONTROLS

Appropriate engineering controls:

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective and hygiene measures:

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work. Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

Keep away from: food, feeding stuff

Individual protection measures, such as personal protective equipment:

Eye protection:

Suitable eye protection:

Tightly sealed safety glasses. (DIN EN 166)

Hand protection:	When handling chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Recommendation: Disposable gloves Recommended material: NBR (Nitrile rubber).
Skin protection:	Wear suitable protective clothing. (EN 368).
Respiratory protection:	With correct and proper use, and under normal conditions, breathing protection is not required.
Environmental exposure controls:	Do not allow uncontrolled leakage of product into the environment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	powder
Colors:	colourless
Odor:	product-specific
Odor threshold:	not applicable
pH:	(10%) 11,4
Melting point/freezing point:	no data available
Initial boiling point and boiling range:	no data available
Flash point:	no data available
Evaporation rate:	no data available
Flammability:	no data available
Upper/lower flammability or explosive limits:	no data available
Vapor pressure:	no data available
Vapor density:	no data available
Relative density:	no data available
Water solubility:	easily soluble
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
Viscosity:	no data available
Explosive properties:	no data available
Oxidizing properties:	no data available

9.2. OTHER INFORMATION

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SECTION 10. STABILITY AND REACTIVITY**10.1. REACTIVITY**

No hazardous reaction when handled and stored according to provisions.

10.2. CHEMICAL STABILITY

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

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Do not mix with acids.

10.4. CONDITIONS TO AVOID

Protect against: frost.

10.5. INCOMPATIBLE MATERIALS

No hazardous reaction when handled and stored according to provisions.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

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

SECTION 11. TOXICOLOGICAL INFORMATION**11.1. INFORMATION ON TOXICOLOGICAL EFFECTS****Acute toxicity:**

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
497-19-8	sodium carbonate				
	oral	LD50 4090 mg/kg	Rat	IUCLID	

Irritation and corrosivity:

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects:

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

SECTION 12. ECOLOGICAL INFORMATION**12.1. TOXICITY**

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
497-19-8	sodium carbonate					
	Acute fish toxicity	LC50 300 mg/l	96 h	Lepomis macrochirus		
	Acute crustacea toxicity	EC50 265 mg/l	48 h	Daphnia magna	IUCLID	

12.2. PERSISTENCE AND DEGRADABILITY

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. BIOACCUMULATIVE POTENTIAL

No indication of bioaccumulation potential.

12.4. MOBILITY IN SOIL

The product has not been tested.

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

No information available.

Further information:

Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Disposal recommendations:

Do not allow to enter into surface water or drains.

Dispose of waste according to applicable legislation.

Consult the appropriate local waste disposal expert about waste disposal.

Consult the appropriate authorities about waste disposal.

Contaminated packaging:

Wash with plenty of water.

Completely emptied packings can be re-cycled.

Dispose of waste according to applicable legislation.

SECTION 14. TRANSPORT INFORMATION

14.1. UN NUMBER

DOT, ADR, IMDG, IATA – not applicable

14.2. UN PROPER SHIPPING NAME

DOT, ADR, IMDG, IATA – not applicable

14.3. TRANSPORT HAZARD CLASS(ES)

DOT, ADR, IMDG, IATA – not applicable

14.4. PACKING GROUP

DOT, ADR, IMDG, IATA – not applicable

14.5. ENVIRONMENTAL HAZARDS

ENVIRONMENTALLY HAZARDOUS: no

14.6. SPECIAL PRECAUTIONS FOR USER

The product is not classified as dangerous according to this transport regulation.

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE

The product is not classified as dangerous according to this transport regulation.

SECTION 15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

National regulatory information:

Water contaminating class (D): 1 - slightly water contaminating

15.2. CHEMICAL SAFETY ASSESSMENT

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

SECTION 16. OTHER INFORMATION

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method

Relevant H and EUH statements (number and full text):

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

This Safety Data Sheet has been prepared on the basis of the currently available data on the product as well as of the Manufacturer's experience and knowledge. It should be treated as a guide for safe transportation, storage and handling. The given information is not to be considered as a warranty or quality specification. Additionally, it is the user's responsibility to handle the product in accordance with local regulations and standards.

End of Safety Data Sheet

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