

SAFETY DATA SHEET
according to Regulation (EC) No. 453/2010**KG12 - Decarboniser Destainer Pre-Soak****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Chemical type : Mixture
Trade name : KG12 - Decarboniser Destainer Pre-Soak
Product code : 361 CLP

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Description/Application : Washing powder.
Industrial/Professional use spec : For professional use only

1.2.2. Uses advised against

No uses advised against

1.3. Details of the supplier of the safety data sheet

Reza Chemical Industries Tel: Head Office +966 12 657 2877
P.O. Box 1555 Tel: Factory +966 12 637 3910
Alireza Tower Fax: Head Office +966 12 657 2832
Madina Road Fax: Factory +966 12 637 3876
Jeddah 21425 Email: quality.rci@rezagroup.com

1.4. Emergency telephone number

Technical Advice: +966 12 637 3910 Ext 2451/2452
Office Hours Only: 7:00am to 4:30pm | Sun to Thurs

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Met. Corr. 1 H290
Skin Corr. 1B H314
STOT SE 3 H335

Full text of H-phrases: see section 16

2.1.2. Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**2.1.3. Adverse physicochemical, human health and environmental effects**

No additional information available

2.2. Label elements**2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS05



GHS07

CLP Signal word : Danger

Hazardous ingredients : Sodium metasilicate

Hazard statements (CLP) : H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation

Precautionary statements (CLP) : P280 - Wear eye protection, face protection, protective gloves, protective clothing
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/physician

2.3. Other hazards

Substance meets the criteria for PBT according to regulation (EG) n°. 1907/2006, annex XIII :
Not applicable

P : no
B : no
T : no

Substance meets the criteria for vPBT according to regulation (EG) n°. 1907/2006, annex XIII :

vP : not
vB : not

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Sodium metasilicate	(CAS-no) 6834-92-0 (Einecs nr) 229-912-9 (EG annex nr) 014-010-00-8 (REACH-no) 01-2119449811-37	< 35	C; R34 Xi; R37
Sodium carbonate	(CAS-no) 497-19-8 (Einecs nr) 207-838-8 (EG annex nr) 011-005-00-2 (REACH-no) 01-2119485498-19-0018	<= 30	Xi; R36
Sodium percarbonate	(CAS-no) 15630-89-4 (Einecs nr) 239-707-6 (REACH-no) 01-2119457268-30	5 - 15	O; R8 Xn; R22 Xi; R41
Ethoxylated alcohol	(Einecs nr) / (EG annex nr) / (REACH-no) 02-2119549526-31-0000	< 5	Xi; R41 Xn; R22
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide	(CAS-no) / (Einecs nr) 932-051-8 (EG annex nr) / (REACH-no) 01-2119565112-48	< 5	Xi; R41 Xi; R38

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium metasilicate	(CAS-no) 6834-92-0 (Einecs nr) 229-912-9 (EG annex nr) 014-010-00-8 (REACH-no) 01-2119449811-37	< 35	Skin Corr. 1B, H314 STOT SE 3, H335 Eye Dam. 1, H318 Met. Corr. 1, H290
Sodium carbonate	(CAS-no) 497-19-8 (Einecs nr) 207-838-8 (EG annex nr) 011-005-00-2 (REACH-no) 01-2119485498-19-0018	<= 30	Eye Irrit. 2, H319
Sodium percarbonate	(CAS-no) 15630-89-4 (Einecs nr) 239-707-6 (REACH-no) 01-2119457268-30	5 - 15	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Ethoxylated alcohol	(Einecs nr) / (EG annex nr) / (REACH-no) 02-2119549526-31-0000	< 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide	(CAS-no) / (Einecs nr) 932-051-8 (EG annex nr) / (REACH-no) 01-2119565112-48	< 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	: In case of doubt or persistent symptoms, consult always a physician. For symptom description, see item 11.
Inhalation	: Take victim to fresh air, in a quiet place and if necessary take medical advice.
Skin contact	: Remove/Take off immediately all contaminated clothing. Wash off with plenty of water. If skin irritation persists, take medical advice.
Eye contact	: Wash with plenty of water (during 20 minutes minimum) with eyes wide open, keeping contact lenses and immediately take medical advice.
Ingestion	: Rinse mouth out with water. Do NOT induce vomiting. Immediately consult a doctor/medical service.

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

Acute effects inhalation	: May cause respiratory irritation.
Acute effects skin	: Causes burns.
Acute effects eyes	: Acute eye corrosion.
Acute effects oral route	: Burns of the upper digestive and respiratory tracts.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : In fire case not far from, any kind of extinguisher can be used: foam, sand, carbon dioxide (CO₂), water.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : Not applicable.

5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use a self-contained breathing apparatus and also a protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Concerning personal protective equipment to use, see section 8. Avoid dust formation.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Stop leak without risks if possible. Prevent product from entering drains. Use appropriate precautions to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

Shovel into suitable and closed container for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special technical protective measures required. Do not eat, drink or smoke in areas where product is used. Avoid contact with skin and eyes. Shower, eyes shower and water point in proximity. Keep container tightly closed to avoid moisture absorption and contamination.

7.2. Conditions for safe storage, including any incompatibilities

Only store product in original container. Store tightly closed in a dry and cool place. Keep away from incompatible products/materials (see section 10).

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection : Chemical resistant PVC/Nitrilrubber gloves (to European standard EN 374 or equivalent). Thickness: 0,4 mm. Penetration time: >480 min (level 6). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.

Eye protection : Safety glasses with side-shields (EN 166).

Protective equipment : Wear suitable protective clothing (EN 14605).

Respiratory protection : Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Physical state/form : Powder.

Colour : white.

Odour : Irritant.

Odour threshold : No data available

pH : 12.2 ± 0.5 (1%)

Melting point/range : No data available

Freezing point : No data available

Boiling point/Boiling range : No data available

Flash point : No data available

Relative evaporation rate (butylacetate=1) : No data available

Flammability (solid, gas) : Not applicable

Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 786/919 ± 100 g/l
Solubility	: No data available
Log Pow	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

humid air.

10.5. Incompatible materials

Never mix with other materials.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating, like smokes, carbon monoxide and dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Sodium metasilicate (6834-92-0)	
LD50 oral rat	1150 - 1350 mg/kg
Ethoxylated alcohol	
LD50 oral rat	> 500 - 2000 mg/kg
LD50 dermal rat	> 4000 mg/kg
Sodium percarbonate (15630-89-4)	
LD50 oral rat	1034 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE CLP (oral)	1034,000 mg/kg bodyweight
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide (I)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Sodium metasilicate (6834-92-0)	
LC50 fishes 1	210 mg/l
EC50 Daphnia 1	1700 mg/l
EC50 other aquatic organisms 1	207 mg/l
ErC50 (algae)	207 mg/l
Ethoxylated alcohol	
LC50 fishes 1	10 - 100 mg/l
EC50 Daphnia 1	10 - 100 mg/l
Sodium percarbonate (15630-89-4)	
EC50 Daphnia 1	4,9 mg/l
NOEC (acute)	2 mg/l
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide (I)	
LC50 fishes 1	> 1 (≤ 10) mg/l

12.2. Persistence and degradability

When added in small quantities, there are no aspected effects on the working of the biological water cleaning station. Neutralize the product before disposal into the environment/sewage.

The surfactant(s) contained in this preparation complies(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 additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste / unused products : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3253

14.2. UN proper shipping name

Proper shipping name : DISODIUM TRIOXOSILICATE

Transport document description (ADR) : UN 3253 DISODIUM TRIOXOSILICATE (MIXTURE), 8, III, (E)

14.3. Transport hazard class(es)

Class (ADR) : 8

Danger labels (ADR) : 8



14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 80

Classification code (ADR) : C6

Transport category (ADR) : 3

Tunnel code : E

Limited quantities (ADR) : 5kg

LQ : LQ24

Excepted quantities (ADR) : E1

EAC code : 2X

14.6.2. Transport by sea

EMS-nr : 8-06

N° MFAG : 705

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

DDP (Decarboniser Destainer Powder) is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances.

Detergent Regulation : Labelling of contents:

Component	%
Phosphates	15-30%
Oxygen-based bleaching agents	5-15%
Non-ionic surfactants, anionic surfactants	<5%

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

It is recommended to pass the information of this safety data sheet in an appropriate form to the users. Such information is actually the best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other products.

This safety data sheet is in compliance with 1907/2006/EEC. It is user's liabilities to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

HISTORY

PREVIOUS REVISION DATE : 19/02/2013

REVIEW CHAPTER(S) N° : 2,4,8

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H272	May intensify fire; oxidiser
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects

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R22	Harmful if swallowed
R34	Causes burns
R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
R41	Risk of serious damage to eyes
R8	Contact with combustible material may cause fire.
C	Corrosive
O	Oxidising
Xi	Irritating
Xn	Harmful