SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : ALLPLAC
Trades code : 012A290474

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

Oven cleaner.
Sectors of use:
Professional use[SU22]

Uses advised against
Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Allegrini S.p.A.
Vicolo Salvo d'Acquisto, 2
24050 Grassobbio (BG) Italy
Tel. +39 035 4242111
e-mail: msds@allegrini.com

Produced by
Allegrini S.p.A.

1.4. Emergency telephone number

Allegrini SpA : Tel. +39 035 4242111 Mon. - Fri. 8.00 - 17.00 GMT +1

SECTION2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:
GHS05, GHS07

Hazard Class and Category Code(s):
Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A

Hazard statement Code(s):
H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.

The product can be corrosive to metals
Harmful product: do not ingest
Corrosive product: causes severe skin burns and eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):
GHS05, GHS07 - Danger

Hazard statement Code(s):

H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.

Supplemental Hazard statement Code(s):
unavailable

Precautionary statements:
Prevention
P280 - Wear protective gloves/protective clothing/eye protection.
Response
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON 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 to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor.
Disposal
P501 - Dispose of contents/container in accordance to local regulation.

Contains: Potassium Hydroxyde (*), Sodium Hydroxide (*)

Contains (Reg.EC 648/2004): < 5% non-ionic Surfactants

2.3. Other hazards

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII
The utilization of this chemical agent cause the obligation of "Risks Evaluation" from employer according to dispositions of Dlgs. April 9th 2008 no. 81. Workers exposed to this chemical agent do not have to be subjected to sanitary supervision if the results of risks evaluation show that, according to typology and quantity of chemical agent and according to method and frequency of exposure to that agent, we only have "moderate risk" for health and safety of workers and that measures foreseen by the Dlgs. are sufficient to reduce the risk.

SECTION3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements.
NOTE: SUBSTANCES MARKED WITH (*) HAVE SPECIFIC LIMITS

Substance	Concentration	Classification	Index	CAS	EINECS	REACh
Sodium Hydroxide (*)	> 20 <= 30%	Met. Corr. 1, H290; Skin Corr. 1A, H314	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27
Potassium Hydroxide (*)	> 10 <= 20%	Met. Corr. 1, H290; Acute Tox. 4, H302; Skin Corr. 1A, H314	019-002-00-8	1310-58-3	215-181-3	01-2119487136-33
C8-10 Alkyl Polyglucoside (*)	> 1 <= 5%	Eye Dam. 1, H318	n.d.	68515-73-1	500-220-1	01-2119488530-36

SECTION4. First aid measures

4.1. Description of first aid measures

Inhalation:
Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area.

If you feel unwell seek for medical advice.

Direct contact with skin (of the pure product):
Take contaminated clothing immediately off.
In case of contact with skin, wash immediately with water.
Consult a physician immediately

Direct contact with eyes (of the pure product):
Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:
The product is harmful and can cause irreversible damages even following a single exposure if swallowed.
Drink water with egg white; do not give bicarbonate.
Absolutely do not induce vomiting or emesis. Seek for medical advice immediately.

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

Immediately call a POISON CENTER/doctor.

SECTION5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:
Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:
Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus
Safety helmet and full protective suit.
The spray water can be used to protect the people involved in the extinction
You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)
Keep containers cool with water spray

SECTION6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:
Leave the area surrounding the spill or release. Do not smoke

6.1.2 For emergency responders:
Wear mask, gloves and protective clothing.
Eliminate all unattended flames and possible sources of ignition. Do not smoke.
Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.
Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:
Rapidly recover the product, wear a mask and protective clothing
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.
Prevent it from entering the sewer system.

6.3.2 For cleaning up:
After wiping up, wash with water the area and materials involved

6.3.3 Other information:
None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
Do no eat, drink or smoke when using this product.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

Professional use:
Handle with care. Store in a cool place, away from sources of heat and direct exposure of sunlight. Keep in original container closed tightly.

SECTION8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

Sodium Hydroxide (*):
TLV/TWA: 2 mg/m3 (value Ceiling) (ACGIH 2004).
DNEL
Local effects Long term Workers inhalation = 1
Local effects Long term Consumers inhalation = 1 (mg/m3)

Potassium Hydroxide (*):
TWA (8h): 2 mg/m3
STEL: 2 mg/m3 ; 0.87 ppm
DNEL
Systemic effects Long term Workers inhalation = 1 (mg/m3)

C8-10 Alkyl Polyglucoside (*)
DNEL
Systemic effects Long term Workers inhalation = 420 (mg/m3)
Systemic effects Long term Workers dermal = 595000 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 124 (mg/m3)
Systemic effects Long term Consumers dermal = 357000 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 35,7 (mg/kg bw/day)
PNEC
Sweet water = 0,176 (mg/l)
sediment Sweet water = 1516 (mg/kg/sediment)
Sea water = 0,0176 (mg/l)
sediment Sea water = 0,152 (mg/kg/sediment)
intermittent emissions = 0,27 (mg/l)
STP = 560 (mg/l)
ground = 0,654 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:
Professional use:
No specific control provided.

Individual protection measures:

(a) Eye / face protection
When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hands protection
When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other
When handling the pure product wear full protective skin clothing.

(c) Respiratory protection
Not needed for normal use.

(d) Thermal hazards
No hazard to report

Environmental exposure controls:
Use according to good working practices to avoid pollution into the environment.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Clear brown liquid	
Odour	characteristic	
Odour threshold	unavailable	
pH	> 13	

Physical and chemical properties	Value	Determination method
Melting point/freezing point	< 0°C	
Initial boiling point and boiling range	> 100°C	
Flash point	non flammable	
Evaporation rate	unavailable	
Flammability (solid, gas)	non flammable	
Upper/lower flammability or explosive limits	non flammable	
Vapour pressure	unavailable	
Vapour density	unavailable	
Relative density	1.380 g/ml	
Solubility	in water	
Water solubility	complete	
Partition coefficient: n-octanol/water	unavailable	
Auto-ignition temperature	nonflammable	
Decomposition temperature	unavailable	
Viscosity	unavailable	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

No data available.

SECTION10. Stability and reactivity

10.1. Reactivity

No reactivity hazard.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

Concentrated acids. It reacts with aluminium and light alloys.

10.6. Hazardous decomposition products

It does not decompose when used for intended uses.

SECTION11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 1.516,7 mg/kg
ATE(mix) dermal = n.d.
ATE(mix) inhal = n.d.

(a) acute toxicity: Harmful product: do not ingest
(b) skin corrosion/irritationCorrosive product: causes severe skin burns and eye damage.
(c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage.
(d) respiratory or skin sensitization: based on available data, the classification criteria are not satisfied.
(e) germ cell mutagenicity: based on available data, the classification criteria are not satisfied.
(f) carcinogenicity: based on available data, the classification criteria are not satisfied.
(g) reproductive toxicity: based on available data, the classification criteria are not satisfied.
(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not satisfied.
(i) specific target organ toxicity (STOT) repeated exposurebased on available data, the classification criteria are not satisfied.
(j) aspiration hazard: based on available data, the classification criteria are not satisfied.

Related to contained substances:

Sodium Hydroxide (*):
LD L0 (rabbit) Oral (mg/kg body weight) = 500
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 1300
CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 4800

Potassium Hydroxide (*):
LD50 (rat) Oral (mg/kg body weight) = 333

C8-10 Alkyl Polyglucoside (*):
LD50 (rat) Oral (mg/kg body weight) = 2000
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

SECTION12. Ecological information

12.1. Toxicity

Related to contained substances:

Sodium Hydroxide (*):
LC50 (fish): 125 mg/l (96h)
EC50 (daphnia): 40.4 mg/l (48h)

Potassium Hydroxide (*):
LD50 (fish): 50 mg/l (96h)

C8-10 Alkyl Polyglucoside (*):
LC50 (fish): > 100 mg/l (96h)
NOEC (fish): 1.8 mg/l (28d)
EC50 (daphnia): > 100 mg/l (48h)
NOEC (daphnia): > 1 mg/l (21d)
EC50 (algae): > 27 mg/l (72h)
EC50 (microorganisms): > 560 mg/l (6h)

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Related to contained substances:

C8-10 Alkyl Polyglucoside (*):
Degradability: 100% (28d) (OECD Guideline 301 E)

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

Regulation (EC) No 2006/907 - 2004/648
Surfactants contained in this formula are in compliance with biodegradability parameters established by regulation EC 648/2004 related to detergents.
All supporting information are on hand of authorities of member countries and will be supplied to above mentioned authorities according to their explicit request or following producer's request.

SECTION13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.
Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION14. Transport information

14.1. UN number

ADR/RID/IMDG/ICAO-IATA: 1719

If subject to the following characteristics is ADR exempt:
Combination packagings: per inner packaging 1 L per package 30 Kg
Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 1 L per package 20 Kg

14.2. UN proper shipping name

ADR/RID/IMDG: CAUSTIC ALKALI LIQUID, N.O.S. (Potassium Hydroxyde, Sodium Hydroxide)
ICAO-IATA: CAUSTIC ALKALI LIQUID, N.O.S. (Potassium Hydroxyde, Sodium Hydroxide)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 8
ADR/RID/IMDG/ICAO-IATA: Label : 8
ADR: Tunnel restriction code : E
ADR/RID/IMDG/ICAO-IATA: Limited quantities : 1 L
IMDG - EmS : F-A, S-B

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: II

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous
IMDG: Marine polluting agent : Not

14.6. Special precautions for user

Transport must be executed through vehicles authorized for transport of dangerous goods, according to regulations of current edition of agreement A.D.R. and to national dispositions applicable.
Transport must be done in original packaging and, however, they must be made of materials unassailable by the content and not able to create dangerous reactions. Staff assigned to loading and unloading of dangerous goods must be well educated to hazards of the product and procedures to be adopted in case of emergency situation.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

SECTION15. Regulatory information

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

D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labelling of dangerous substances). D.Lgs 14/3/2003 n. 65 (Classification, packaging and labelling of dangerous preparations). D.Lgs. 2/2/2002 n. 25 (Risks derivated from chemical agents during work). D.M. Labour 26/02/2004 (Limits for professional exposurei). D.M. 03/04/2007 (Fulfillment of EU regulation 2006/8). EU Regulation n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP). Regulation (CE) n.790/2009.D.Lgs. 21/09/2005 n. 238 (Direttiva Seveso Ter).

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3
H290 = May be corrosive to metals.
H314 = Causes severe skin burns and eye damage.
H302 = Harmful if swallowed.
H318 = Causes serious eye damage.

Classification based on data of all mixture components

Main regulatory references:

Directive 2001/60/CE
Regulament 2008/1272/CE
Regulament 2010/453/CE

***This data sheet annuls and substitutes each previous version.