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

Trade name :	Americol Dishwashing Detergent		
Revision date :	19-10-2020	**Version (Revision) :**	7.0.0 (6.0.0)
Print date :	23-12-2020		

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

1.1 Product identifier

Americol Dishwashing Detergent

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

Relevant identified uses

PC 35 - Washing and cleaning products

Sectors of use [SU]

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Process categories [PROC]

PROC 8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC 11 - Non industrial spraying
PROC 19 - Manual activities involving hand contact

Environmental release categories [ERC]

ERC 8a - Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Uses advised against

This product should not be used for purposes other than the applications referred to above.

1.3 Details of the supplier of the safety data sheet

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

Americol BV

Street : Sluispolderweg 33

Postal code/city : 1505 HJ Zaandam

Telephone : +31 (0)75-631 32 44

Information contact : Dept. Safety, Health and Environment

Website : www.americol.nl

E-mail (competent person) : info@americol.nl

1.4 Emergency telephone number

National Poisons Information Service (NPIS) Email: director.birmingham.unit@npis.org Website: http://www.npis.org/

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Skin Corr. 1A ; H314 - Skin corrosion/irritation : Category 1A ; Causes severe skin burns and eye damage.
Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.
Aquatic Acute 1 ; H400 - Hazardous to the aquatic environment : Acute 1 ; Very toxic to aquatic life.
Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms

Corrosion (GHS05) · Environment (GHS09)

Signal word

Danger

Hazard components for labelling

POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3

SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE 3 % ; CAS No. : 7681-52-9

Hazard statements

H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P310	Immediately call a POISON CENTER/doctor/....
P321	Specific treatment (see ... on this label).
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P405	Store locked up.

Remark

The product is classified and labelled according to EC directives or corresponding national laws.

2.3 Other hazards

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

2.4 Additional information

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

POTASSIUM HYDROXIDE ; REACH No. : 01-2119487136-33 ; EC No. : 215-181-3; CAS No. : 1310-58-3

Weight fraction : ≥ 10 - < 25 %

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1A ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

SODIUMSILICATE ; REACH No. : 01-2119448725-31 ; EC No. : 215-687-4; CAS No. : 1344-09-8

Weight fraction : ≥ 2,5 - < 10 %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE ; REACH No. : 01-2119488154-34 ; EC No. : 231-668-3; CAS No. : 7681-52-9

Weight fraction : ≥ 2,5 - < 3 %

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Additional information

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

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.

Following inhalation
No special measures are necessary.

In case of skin contact
Wash immediately with: Water and soap Change contaminated, saturated clothing. Wash contaminated clothing prior to re-use.

After eye contact
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion
Call a physician in any case! Do NOT induce vomiting. If major quantity of dust is swallowed or inhaled, immediately drink: Water

4.2 Most important symptoms and effects, both acute and delayed
The following symptoms may occur: No known symptoms to date. Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed
None

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Water mist Foam Extinguishing powder Carbon dioxide (CO2)

Unsuitable extinguishing media
Full water jet

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products
Do not breathe gas/fumes/vapour/spray. Carbon monoxide Carbon dioxide (CO2)

5.3 Advice for firefighters
In case of fire: Wear self-contained breathing apparatus. Protective clothing.

5.4 Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Protective equipment
Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Emergency procedures
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.2 Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. 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
For containment

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Suitable material for taking up: Sand Absorbing material, organic

6.4 Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Measures to prevent aerosol and dust generation

During filling, metering and sampling should be used if possible: Closed devices

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep/Store only in original container. Suitable container/equipment material: Stainless steel Polyethylene (PE)
Unsuitable container/equipment material: Butyl caoutchouc (butyl rubber)

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL-/PNEC-values

DNEL/DMEL

POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3

Limit value type :	DNEL Consumer (local)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	1 mg/m^3
Limit value type :	DNEL worker (local)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	1 mg/m^3

SODIUMSILICATE ; CAS No. : 1344-09-8

Limit value type :	DNEL Consumer (systemic)
Exposure route :	Oral
Limit value :	0,8 mg/kg
Limit value type :	DNEL Consumer (systemic)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	1,38 mg/m^3
Limit value type :	DNEL Consumer (systemic)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	0,8 mg/kg

Limit value type :	DNEL worker (local and systemic)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	5,61 mg/m^3
Limit value type :	DNEL worker (local and systemic)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	1,59 mg/m^3

SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE ; CAS No. : 7681-52-9

Limit value type :	DNEL Consumer (local and systemic)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	1,55 mg/m^3
Limit value type :	DNEL Consumer (local and systemic)
Exposure route :	Oral
Exposure frequency :	Long-term
Limit value :	0,26 mg/kg dw
Limit value type :	DNEL Consumer (local and systemic)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	0,5 %
Limit value type :	DNEL worker (local and systemic)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	3,1 mg/m^3

PNEC

SODIUMSILICATE ; CAS No. : 1344-09-8

Limit value type :	PNEC (Aquatic, freshwater)
Exposure route :	Water (Including sewage plant)
Limit value :	7,5 mg/l
Limit value type :	PNEC (Aquatic, marine water)
Exposure route :	Water (Including sewage plant)
Limit value :	1 mg/l

SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE ; CAS No. : 7681-52-9

Limit value type :	PNEC (Aquatic, freshwater)
Limit value :	0,00021 mg/l
Limit value type :	PNEC (Aquatic, marine water)
Limit value :	0,00004 mg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection Suitable gloves type EN ISO 374 Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber) Required properties liquid-tight. Breakthrough time (maximum wearing time) Permeation time (maximum wear time) Thickness of the glove material Nitril: 0,12 mm Butyl: 0,50 mm

General information

Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : light yellow

Safety characteristics

Physical state :			Liquid	
Melting point/freezing point :			No data available	
Initial boiling point and boiling range :	(1013 hPa)	>	100	°C
Decomposition temperature :		>	200	°C
Freezing point :			No data available	
Flash point :			not applicable	
Auto-ignition temperature :		>	250	°C
Lower explosion limit :			not applicable	
Upper explosion limit :			not applicable	
Vapour Pressure :	(20 °C)		No data available	
Evaporation rate (n-butylacetate = 1) :			No data available	
Density :	(20 °C)	approx.	1,3	g/cm^3
Water solubility :	(20 °C)		100	Wt %
pH :			14	
Partition coefficient (n-octanol/water) :		<	3	
Viscosity :	(20 °C)	<	10	mPa*s
Vapour density (air = 1) :	(101 kPa)		No data available	

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

not applicable

10.2 Chemical stability

Stable under normal conditions of use

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Strong oxidizers

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter :	LD50 (POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	365 mg/kg

Corrosion

Skin corrosion/irritation

corrosive.

Serious eye damage/eye irritation

corrosive.

Irritation to respiratory tract

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

STOT-single exposure

not applicable

STOT-repeated exposure

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

SECTION 12: Ecological information

12.1 Toxicity

harmless to aquatic organisms up to the tested concentration

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

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

12.6 Other adverse effects

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Delivery to an approved waste disposal company. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number

UN 1719

14.2 UN proper shipping name

Land transport (ADR/RID)
CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE · SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE)

Sea transport (IMDG)
CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE · SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE)

Air transport (ICAO-TI / IATA-DGR)
CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE · SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) :	8
Classification code :	C5
Hazard identification number (Kemler No.) :	80
Tunnel restriction code :	E
Special provisions :	LQ 1 l · E 2
Hazard label(s) :	8 / N

Sea transport (IMDG)

Class(es) :	8
EmS-No. :	F-A / S-B
Special provisions :	LQ 1 l · E 2 · IMDG-Code segregation group 18 - Alkalis
Hazard label(s) :	8 / N

Air transport (ICAO-TI / IATA-DGR)

Class(es) :	8
Special provisions :	E 2
Hazard label(s) :	8

14.4 Packing group

II

14.5 Environmental hazards

Land transport (ADR/RID) : Yes
Sea transport (IMDG) : Yes (P)
Air transport (ICAO-TI / IATA-DGR) : Yes

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

mixture

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

Other regulations (EU)

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

None

15.2 Chemical safety assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

16.1 Indication of changes

01. Sectors of use [SU] · 02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR) · 15. Restrictions on use

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
ASTM = American Society of Testing and Materials (US)
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substan
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EWC = European Waste Catalogue
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
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
MRL = Maximum Residue Limit
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
OEL = Occupational Exposure Limits
PBT = Persistent, Bioaccumulative or Toxic
PNEC = Previsible Non Effect Concentration
STEL = Short-Term Exposure Limit
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioacccumulative

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]

Indeling van de stof of het mengsel: classificatie conform Verordening (EG) Nr. 1272/2008 [CLP] door middel van calculatiemethode via software.

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

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.
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

Article No.: 663

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.