APC IN

Safety Data Sheet

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

1.1 Product identifier: APC IN

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Universal, deep cleaning product, designed for cleaning leather, plastics, textiles and other hard surfaces. Concentrate.

1.3 Details of the supplier of the safety data sheet:

TENZI Sp. z o.o.
Skarbimierzyce 20
72-002 Dołuje
tel. +48 91 3119777
fax. +48 91 3119779
E-mail address for a competent person responsible for SDS: technolog@tenzi.pl

1.4 Emergency telephone number:
+48 91 31 19 777 (mon. - fri. 8am - 4pm) or 112.

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008:
Eye Dam. 1 H318 – Causes serious eye damage.

2.2. Label elements:
(According to 1272/2008/EC*)

Hazard symbols:

Signal words:
DANGER

Hazard statements:
H318 – Causes serious eye damage.

Precautionary statements:
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

2.3. Other hazards:
Substance does not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

APC IN

Safety Data Sheet

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances:
Not applicable.

3.2. Mixtures:
Composition (according to: 648/2004/EC):

- < 5% non-ionic surfactants
- < 5% phosphates
- < 5% green soap
- aroma composition
- auxiliary substances not classified as dangerous

Identification	Hazardous ingredient/classification	Concentration
CAS: 68439-54-3 WE: Polymer Index: Not applicable Registration: Introductory	**Alcohols, C11-13-branched, ethoxylated** Eye Dam. 1 H318, Acute Tox. 4 H302	< 4%
CAS: Not known WE: 902-053-3 Index: Not applicable Registration: 01-2119529230-52-XXXX	**Product created from ethanol and Isopropanol** Flam Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	< 5%
CAS: 61789-30-8 WE: 263-049-9 Index: Not applicable Registration: Introductory	**Fatty acids, coco, potassium salts** Skin Irrit. 2, H315, Eye Irrit. 2, H319	< 1.5%
CAS: 1310-58-3 WE: 1310-58-3 Index: 215-181-3 Registration: 01-2119487136-33-XXXX	**Potassium hydroxide** Acute Tox.4 H302, Skin Corr. 1A H314, Met. Corr. 1 H290	< 0.4%

The full texts of H symbols and phrases are in section 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures:

Inhalation:
In case of inhalation poisoning symptoms (cough, dyspnea, dizziness) move the injured to fresh air.
Make sure to keep the injured calm and warm. Get medical attention.

Skin contact:
If product comes in contact with the skin, immediately remove all contaminated clothing and flush exposed area with large amounts of water. In case of skin changes or burns, get medical attention.

Eye contact:
Flush eyes with running water (at least 15 minutes) while keeping eyelids open. Get medical attention.

Ingestion:
DO NOT induce vomiting. Give lots of water to drink. DO NOT give any neutralizing agents.
Immediately contact a doctor and show this MSDS or label.

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

Inhalation:
In case of long-term exposure without proper ventilation, it may cause irritation of the upper respiratory tract.

Skin:
May cause skin irritation.

Eyes:
Seriously damages eyes.

Ingestion:
May cause irritation of the mucous membrane.

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

Get medical attention.
Fresh water and eye-wash preparations must be available on the worksite.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media:
Use extinguishing measures that are appropriate to local circumstances and surrounding environment.

Unsuitable extinguishing media:
There are not any known extinguishing media that you shouldn't use.

5.2. Special hazards arising from the substance or mixture:
Product is non-flammable.

5.3. Advice for firefighters:
Firefighters should wear self-contained breathing apparatus and full protective clothing. In case of fire, warn the people nearby and evacuate unprotected and untrained personnel from hazard area. Notify relevant emergency services. If possible, remove the containers away from the influence of fire and high temperature. Water may be used to keep fire-exposed containers cool until fire is out. The after burning residues should be removed

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:
Protective chemical-proof gloves (0.11 mm thick), self-contained breathing apparatus, safety glasses.

For emergency responders:
Protective clothes, protective chemical-proof gloves (0.11 mm thick), self-contained breathing apparatus, safety glasses.
Avoid skin and eye contact. Provide proper ventilation.

6.2. Environmental precautions:

No data available.

6.3. Methods and material for containment and cleaning up:
In case of unexpected release of the substance into the environment, inform appropriate services about the emergency and remove any source of ignition. Prevent spills from entering sewers, surface water or groundwater. If it is possible, confine and contain the spill by closing the flow of the liquid, plug the damaged container and put it into leakproof wrapping. For a larger spill, make a dike around the outside edges of the spill and use absorbent materials (sand, sawdust, minced limestone).
Store clean-up materials for disposal as hazardous waste. Decontaminate polluted area with water.

6.4. Reference to other sections:
See section 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling:
You should be careful when working with this product.
Use personal protection recommended in section 8
Mix only with water. DO NOT mix with any other chemical substances.
People with skin allergy or respiratory system problems should not have contact with this product.
Avoid risk – read this instruction sheet carefully before using the product.
After usage, keep container tightly closed and keep it away from unauthorized people.
Use only adequate ventilation to avoid inhalation poisoning.

7.2. Conditions for safe storage, including any incompatibilities:
Store in a tightly closed, original plastic container. Store this product in a dry environment that will be maintained at 5°C - 35°C temperature with a good ventilation system and an easy washable, nonabsorbable alkaline resistant floor.
DO NOT expose the product to sunlight and keep away from heat, sparks, flame and source of ignition.

7.3. Specific end use(s):
No data available.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters:
Please check any national occupational exposure limit values in your country.

NDS/NDSCh/NDSP values for individual chemical substances (according to SDS or Chemical Safety Report):

Alcohols, C11-13-branched, ethoxylated (data for highly concentrated substance):
NDS, NDSCh, NDSP: not identified

Ethanol (data for highly concentrated substance):
NDS: 1900mg/m^3
NDSCh: not identified.
NDSP: not identified.

Isopropanol (data for highly concentrated substance):
NDS: 900 mg/m^3
NDSCh: 1200 mg/m^3
NDSP: not identified.

Fatty acids, coco, potassium salts (data for highly concentrated substance):
NDS, NDSCh, NDSP: not identified

Potassium hydroxide (data for highly concentrated substance):
NDS: 0.5 mg/m^3
NDSCh: 1 mg/m^3
NDSP: not identified.

DNEL /PNEC values for individual chemical substances (according to SDS or Chemical Safety Report):

Alcohols, C11-13-branched, ethoxylated (data for highly concentrated substance):
DNEL, PNEC: not identified.

Product created from ethanol and Isopropanol (data for highly concentrated substance):

DNEL:

Group: workers, Exposure time: short-term, Exposure route: inhalation, Type of effect: local effect,	Value: 1900 mg/m^3
Group: workers, Exposure time: long-term, Exposure route: dermal, Type of effect: systemic effect,	Value: 343 mg/kg
Group: workers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect,	Value: 500 mg/m^3
Group: consumers, Exposure time: short-term, Exposure route: inhalation, Type of effect: local effect,	Value: 950 mg/m^3
Group: consumers, Exposure time: long-term, Exposure route: dermal, Type of effect: systemic effect,	Value: 206 mg/kg
Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect,	Value: 89 mg/m^3
Group: consumers, Exposure time: long-term, Exposure route: ingestion, Type of effect: systemic effect,	Value: 26 mg/kg

Fatty acids, coco, potassium salts (data for highly concentrated substance):
DNEL, PNEC: not identified.

Potassium hydroxide (data for highly concentrated substance):
DNEL, PNEC: not identified.

NOTE: When the concentration of substance is known, personal protective equipment should be chosen based on substance concentration in a workplace, exposure time and operations performed by the employee. In emergency situations, if substance concentration in the workplace is unknown, personal protection of highest class level should be used.

8.2. Exposure controls:

RESPIRATORY PROTECTION:
Without proper ventilation system while working a long time with the product, it is recommended to wear suitable respiratory equipment - masks with gas and vapour protection.

HAND PROTECTION:
Protective gloves resistant to alkaline chemical substances.
0.11 mm thick.

EYE/FACE PROTECTION:
Safety glasses. In case of contact with skin, wear face shield.

SKIN PROTECTION:
Protective clothes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance:	Brown coloured liquid
Odour:	Characteristic for aroma composition used in production
Odour threshold:	No data available
pH:	13 ± 1
Melting point:	No data available
Freezing point:	No data available
Initial boiling point:	No data available
Boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Upper explosive limit:	No data available
Lower explosive limit:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	1.039 ± 0.020 g/cm^3

Solubility:	
A) Water:	soluble
B) Organic solvent:	No data available

Partition coefficient N-Octan:	No data available
Partition coefficient Water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available

9.2. Other information:
Refractive index: 15.1% Brix* ± 5%

* - Degrees Brix is the content of an aqueous solution. One degree Brix is 1 gram of sucrose in 100 grams of solution and represents the strength of the solution as percentage by weight (%w/w).

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:
No data available.

10.2 Chemical stability:
Stable under recommended storage conditions (see section 7).

10.3 Possibility of hazardous reactions:
No data available.

10.4 Conditions to avoid:
Acids, strong oxidizers.

10.5 Incompatible materials:
No data available.

10.6 Hazardous decomposition products:
No data available.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

ACUTE TOXICITY:

Inhalation:	in case of long-time exposure and without proper ventilation system, it may cause irritation of the upper respiratory tract.
Skin contact:	may cause skin irritation.
Eye contact:	causes serious eye damage.
Digestive system:	may cause irritation of the mucous membrane after swallowing.

DETAILS OF PARTICULAR COMPONENTS (according to substance's SDS):

Alcohols, C11-13-branched, ethoxylated (data for highly concentrated substance):
Data for ethoxylate alcohols C8-C18)>5-20EO):

LD50:	>300-2000 mg/kg	(rat, orally)
LD50:	>2000 mg/kg	(rat, dermal)

Harmful after swallowing.
Contact with eyes may cause irreversible damage.

Product created from ethanol and Isopropanol (data for highly concentrated substance):

LD50:	> 2000 mg/kg	(rat, orally)
LC50:	> 25000 mg/m3	(rat, inhalation)
LD50:	13900 mg/kg	(rabbit, dermal)

Doesn't cause skin irritation.
Irritates eyes (rabbit).
No allergic effects (guinea pig).

Fatty acids, coco, potassium salts (data for highly concentrated substance):

LD50:	> 10000 mg/kg	(rat, orally)

Irritates eyes and skin.

Potassium dioxide (data for highly concentrated substance):

LD50:	273 mg/kg	(rat, orally)

Causes skin burns (rabbit).
Causes eye burns (rabbit).
No allergic effects (guinea pig).
No mutagenic effects.

Effects on human body:
Strongly affects mucous membranes: eyes, upper respiratory tract (cough, dyspnea) and skin (tissue necrolysis)
Repeated or long-time exposure may be the case of dermatitis and degradation of the mucous membrane upper respiratory tract.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:

Data for the mixture ingredients:

Alcohols, C11-13-branched, ethoxylated (data for highly concentrated substance):

LC50:	> 10-100 mg/l/96h	(Cyprinus carpio)	(OECD 203)
EC50:	> 1-10 mg/l/48h	(Daphnia magna)	(OECD 202)
EC50:	> 1-10 mg/l/72h	(Scenedesmus subsipicatus)	(OECD 201)

Product created from ethanol and Isopropanol (data for highly concentrated substance):

LC50:	9640 mg/l/96h	(fish)
EC50:	5012 mg/l/48h	(daphnia)
NOEC:	> 10 mg/l/21days	(daphnia)
EC50:	675 mg/l/4days	(algae)
TT:	1050 mg/l/16h	(bacteria)

Suppressing microbiological activity: 1050 mg/l/16h

Fatty acids, coco, potassium salts (data for highly concentrated substance):

EC50:	> 10 mg/l/72h	(algae)

Potassium dioxide (data for highly concentrated substance):

LC50:	> 80 mg/l/96h	(fish, Gambusia affinis)

12.2. Persistence and degradability:

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

Data for the mixture ingredients:

Substance	Method	Length	Degraded percentage
Alcohols, C11-13-branched, ethoxylated	OECD 301 A	28 days	> 70%
Alcohols, C11-13-branched, ethoxylated	OECD 301 B	28 days	> 60%
Product created from ethanol and Isopropanol	Easily biodegradable	Easily biodegradable	Easily biodegradable
Fatty acids, coco, potassium salts	No data available	28 days	60%
Potassium dioxide	Inorganic substance	Inorganic substance	Inorganic substance

12.3. Bioaccumulative potential:

Alcohols, C11-13-branched, ethoxylated (data for highly concentrated substance):
No data available.

Product created from ethanol and Isopropanol (data for highly concentrated substance):
Log Pow = 0.05

Fatty acids, coco, potassium salts (data for highly concentrated substance):
No data available.

Potassium dioxide (data for highly concentrated substance):
No data available.

12.4. Mobility in soil
The product is water soluble and may sink into groundwater systems.

12.5. Results of PBT and vPvB assessment:
This substance/mixture does not meet the PBT and vPvB criteria of REACH, annex XIII..

12.6. Other adverse effects:
No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

RESIDUES AND WASTES:
DO NOT mix with other liquid wastes.
DO NOT empty into sewage system. Product should be totally used up according to its description.
If it's impossible to do so, dispose of this material and its container at hazardous or special waste collection point.

13.1. Waste treatment methods:
Contaminated containers should be completely emptied. Several times rinse the container promptly after emptying. Empty container can be stored in containers for collection of plastic packaging, or can be delivered to specialized company for recycling.

Disposal should be in accordance with the national/international regulations.

SECTION 14. TRANSPORT INFORMATION

TRADE NAME: APC IN

14.1. UN Number: Not applicable.
14.2. UN proper shipping name: Not applicable.
14.3. Transport hazard class(es): Not applicable.
14.4. Packing group: Not applicable.
14.5. Environmental hazards: No.
14.6. Special precautions for user: For more details see Sections 6 and 8.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No data available.

WARNING LABELS
not applicable

SECTION 15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

DIRECTIVE 2008/112/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 amending Council Directives 76/768/EEC, 88/378/EEC, 1999/13/EC and Directives 2000/53/EC,2002/96/EC and 2004/42/EC of the European Parliament and of the Council in order to adapt them to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

COMMISSION REGULATION (EU) No 758/2013of 7 August 2013correcting Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

DIRECTIVE 2014/27/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 amending Council Directives 92/58/EEC, 92/85/EEC, 94/33/EC, 98/24/EC and Directive 2004/37/EC of the European Parliament and of the Council, in order to align them to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

REGULATION (EC) No 1336/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 amending Regulation (EC) No 648/2004 in order to adapt it to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

REGULATION (EC) No 273/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 February 2004on drug precursors.

15.2. Chemical safety assessment

For mixture:
A Chemical Safety Assessment has not been carried out.

For following mixture substances:
Alcohols, C11-13-branched, ethoxylated: No data available.
Fatty acids, coco, potassium salts: Product contains substances for which a Chemical Safety Assessment still needs to be carried out.
Potassium dioxide: A Chemical Safety Assessment has been carried out.
Product created from ethanol and Isopropanol: A Chemical Safety Assessment has been carried out.

SECTION 16. OTHER INFORMATION

Information above is based on current knowledge of product in its current form.
All data are presented in order to take into account safety requirements priority and not to guarantee special properties of the product. If product usage conditions are not under manufacturer control, responsibility for safe use lies with the person that uses them. The employer is obliged to inform all employees, who have contact with the product, about the risk and safety measures

specified in the data sheet. Safety data presented above were prepared based on safety characteristics of substances used by the producer to compose the product and based on regulations for handling dangerous substances and their preparation. Classification of chemical mixture was done with calculation methods, based on the content of hazardous ingredients.

The full list of symbols and H phrases from Section 2 and 3:

Eye Irrit. 2	– Causes serious eye irritation, category 2.
Acute Tox. 4	– Acute toxicity, category 4.
Flam Liq. 2	– Flammable liquid and vapour, category 2.
Skin Irrit. 2	– Causes skin irritation, category 2.
STOT SE 3	– Specific target organ toxicity - Single exposure STOT, category 3.
Skin Corr. 1A	– Corrosive to skin, category 1A
Eye Dam. 1	– Serious eye damage, category 1.
Met.Corr 1	– Substance/Mixture is corrosive to metals, category 1

H225	– Highly flammable liquid and vapour.
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.
H336	– May cause drowsiness or dizziness.

More information on the product can be found on the specific technical data sheet which is available on www.tenzi.pl

Training:
Course participants should be trained about how to handle this hazardous substance, about safety and work hygiene. Drivers should also be trained and obtain proper certification in accordance with the ADR requirements.

Expiry date:
36 months from the production date (if product is stored according to the producer recommendations)

APC IN was submitted to Inspector for Chemical Substances.

Changes compared to the previous version:
- general update

Updated cards versions are now available on www.tenzi.pl

This Safety Data Sheet contains 11 pages. Changes in the content by unauthorized people is prohibited.