Safety Data Sheet
RINSE ACID

Safety Data Sheet dated 23/6/2015, version 1
In compliance with Regulation (EC) 453/2010

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

1.1. Product identifier
Mixture identification:
Trade name: RINSE ACID
Product type: rinse aid

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Washing and cleaning products (including solvent based products)
Uses advised against:
None in particular

1.3. Details of the supplier of the safety data sheet
Supplier:
TURCO ITALIANA SpA, Via Artigianale, 29 - 25010 Montirone (Brescia) - Italy - tel. ++39-030-267443 - fax. ++39-030-2677137 e-mail:info@turco.it
Competent person responsible for the safety data sheet:
info@turco.it

1.4. Emergency telephone number
TURCO ITALIANA SpA, - Italy - tel. ++39-030-267443 - fax. ++39-030-2677137 e-mail:info@turco.it

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Criteria of Directive 99/45 / EC as amended:
Properties / Symbols:
None

Adverse physicochemical, human health and environmental effects:
None

2.2. Label elements
EC regulation criteria 1272/2008 (CLP)
Symbols:
None
Hazard statements:
None
Precautionary statements:
None
Special Provisions:
EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures
Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:
5-10 % Alcohols,C12-14, alcoxylated
CAS: 68439-51-0
R52/53
4.1/C3 Aquatic Chronic 3 H412

1-5 % Sodium Xylenesulphonate

REACH N°: 01-2119513350-56-0003, CAS: 1300-72-7, EC: 215-090-9
Xi; R36/38
3.3/2 Eye Irrit. 2 H319
3.2/2 Skin Irrit. 2 H315

1-5 % Citric acid
REACH N°: 01-2119457026-42-XXXX, CAS: 5949-29-1, EC: 201-069-1
Xi; R36
3.3/2 Eye Irrit. 2 H319

Declaration of ingredients according to Detergent Regulation 648/2004:
non-ionic surfactants 5 - 15 %

For the complete text of the hazard and risk phrases refer to paragraph 16

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:
Wash with plenty of water and soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:
Do NOT induce vomiting.
Give nothing to eat or drink.

In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
In case of inhalation, consult a doctor immediately and show him packing or label.

4.2. Most important symptoms and effects, both acute and delayed
None

4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Water.
Carbon dioxide (CO2).
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up
Wash with plenty of water.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)
For more information see Technical date bulletin
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Contained substances
No occupational exposure limit available
DNEL Exposure Limit Values
Sodium Xylenesulphonate - CAS: 1300-72-7
Consumer: 3.8 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 53.6 mg/m3 - Consumer: 13.2 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 7.6 mg/kg - Consumer: 3.8 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
PNEC Exposure Limit Values
Sodium Xylenesulphonate - CAS: 1300-72-7
Target: Fresh Water - Value: 0.23 mg/l
Target: Occasional issue - Value: 2.3 mg/l
Target: Sewerage treatment plants - Value: 100 mg/l
Citric acid - CAS: 5949-29-1
Target: Fresh Water - Value: 0.44 mg/l
Target: Freshwater sediments - Value: 34.6 mg/kg
Target: Marine water sediments - Value: 3.46 mg/kg
Target: Soil - Value: 33.1 mg/kg
Target: Marine water - Value: 0.044 mg/l

8.2. Exposure controls
Eye protection:
Not needed for normal use. Anyway, operate according good working practices.
Protection for skin:
No special precaution must be adopted for normal use.
Protection for hands:
Not needed for normal use.
Respiratory protection:
Not needed for normal use.
Thermal Hazards:
None
Environmental exposure controls:
None

Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour:	Clear purple liquid
Odour:	Alcoholic
Odour threshold:	n.av. mg/m3
pH:	2.2
Melting point / freezing point:	initial 0 °C
Initial boiling point and boiling range:	initial 100 °C
Solid/gas flammability:	na
Upper/lower flammability or explosive limits:	na % v/v
Vapour density (air=1):	> 1
Flash point:	none °C
Evaporation rate:	na
Vapour pressure:	3.2 kPa
Relative density:	1.02 g/ml
Solubility in water:	complete
Solubility in oil:	na
Partition coefficient (n-octanol/water):	n.av.
Auto-ignition temperature:	none °C
Decomposition temperature:	n.av. °C
Viscosity:	n.av. mPa.s
Explosive properties:	not explosive
Oxidizing properties:	not oxidant

9.2. Other information

Miscibility:	complete in water
Fat Solubility:	na
Conductivity:	n.av.
Substance Groups relevant properties:	n.av.

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions

10.2. Chemical stability
Stable under normal conditions

10.3. Possibility of hazardous reactions
Stable under normal conditions.

10.4. Conditions to avoid
Stable under normal conditions.

10.5. Incompatible materials
None in particular.

10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological information of the mixture:
Not applicable

Toxicological information of the main substances found in the mixture:
Alcohols,C12-14, alcoxylated - CAS: 68439-51-0
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 2000 - U.M.: mg/kg
Test: LD50 - Route: Oral - Species: Rat - Op.: -1 - Value: 5000 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rat - Op.: > - Value: 5000 - U.M.: mg/kg
Sodium Xylenesulphonate - CAS: 1300-72-7
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 7200 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: > - Value: 2000 - U.M.: mg/kg
Test: LC50 - Route: Inhalation - Species: Rat - Op.: > - Value: 6.41 - U.M.: mg/l - Duration: 4 hours - Notes: Vapours
Citric acid - CAS: 5949-29-1
Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 11700 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rat - Op.: > - Value: 2000 - U.M.: mg/kg
Test: LD50 - Route: Oral - Species: Mouse - Op.: = - Value: 5400 - U.M.: mg/kg
Type: c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYES - Species: Rabbit - Op.: Positive - Source: OECD 405

If not differently specified, the information required in Regulation 2015/830/EC listed below must be considered as N.AV.:
a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Based on the information available it is not expected that this product may cause any adverse environmental effect when use instructions and disposal recommendations are followed.
Adopt good working practices, so that the product is not released into the environment.
List of substances hazardous to the environment and eco-toxicological information available:

Alcohols,C12-14, alcoxylated - CAS: 68439-51-0
a) Aquatic acute toxicity:
LC50 Fish > 1 mg/l 48 Leuciscus idus
LC50 Fish -1 10 mg/l 48 Leuciscus idus
EC50 Daphnia > 1 mg/l 24 Daphnia magna
EC50 Daphnia -1 10 mg/l 24 Daphnia magna
EC50 Algae > 1 mg/l 72 Desmodesmus subspicatus
EC50 Algae -1 10 mg/l 72 Desmodesmus subspicatus
EC50 Algae -1 10 mg/l 48 Scenedesmus subspicatus
EC50 Bacteria > 100 mg/kg Pseudomonas putida
b) Aquatic chronic toxicity:
EC10 Algae > 0.1 mg/l 72 Desmodesmus subspicatus
EC10 Algae -1 1 mg/l 72 Desmodesmus subspicatus

Sodium Xylenesulphonate - CAS: 1300-72-7
a) Aquatic acute toxicity:
LC50 Fish = 400 mg/l 98 Pimephales promelas
LC50 Fish = 1000 mg/l 96 Oncorhynchus mykiss
EC50 Daphnia = 1000 mg/l 48 Daphnia magna
EC50 Algae > 230 mg/l 96 Selenastrum capricornutum
b) Aquatic chronic toxicity:
NOEC = 31 mg/l 96 Selenastrum capricornutum

Citric acid - CAS: 5949-29-1
a) Aquatic acute toxicity:
LC50 Fish = 440 mg/l 48 Leuciscus idus melanotus
LC50 Daphnia = 1535 mg/l 24 Daphnia magna
LC50 Algae = 425 mg/l 168 Scenedsmus quadricauda
LC50 Bacteria > 10000 mg/l 16 Pseudomonas putida

12.2. Persistence and degradability

Alcohols,C12-14, alcoxylated - CAS: 68439-51-0
Biodegradability: Readily biodegradable - Test: Manometric Respirometry (OECD 301F; Council Directive 67/548/EEC Annex V.C.4-D) - Duration: 28 days - %: 60 - Notes: Not applicable

Sodium Xylenesulphonate - CAS: 1300-72-7
Biodegradability: Readily biodegradable - Test: CO2 production - Duration: Not applicable - %: Not applicable - Notes: Not applicable

Citric acid - CAS: 5949-29-1
Biodegradability: Readily biodegradable - Test: Not applicable - Duration: 28 days - %: 97 - Notes:

Not applicable
Regulation (EC) No. 648/2004 on Detergents and amendments:
Surfactant(s) contained in this preparation comply with biodegradability criteria as defined in (EC) regulations on detergents.
12.3. Bioaccumulative potential
Alcohols,C12-14, alcoxylated - CAS: 68439-51-0
Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
Sodium Xylenesulphonate - CAS: 1300-72-7
Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient -3.12 - Duration: Not applicable - Notes: Not applicable
Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentrantion factor Not applicable - Duration: Not applicable - Notes: Not applicable
12.4. Mobility in soil
Alcohols,C12-14, alcoxylated - CAS: 68439-51-0
Mobility in soil: Mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
12.6. Other adverse effects
None

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Product and its residue:
Do not dispose in the canals of wastewater, waterways and soil.
The codes indicating the type of waste are considered based on the recommendations and scheduled use of this product. Different codes may be assigned bused on the end user's use and the characteristics of the disposal.
Waste code CER/EWC (2000/532/CE), attributable to the product as:
07 06 01* Aqueous solution of washing and mother liquors

Any remaining product should be disposed of with the material.
Containers/contaminated packaging
Containers, even completely empty, must not be disposed in the environment. The packigings which can not be cleaned should be disposed of as the material.
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

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
ADR-Enviromental Pollutant: No
IMDG-Marine pollutant: No
14.6 Special Precautions for User
Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No

SECTION 15: Regulatory information

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

1999/13/EC (VOC directive)
Volatile Organic compounds - VOCs = 3.50 %
Volatile Organic compounds - VOCs = 35.70 g/l
Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
Organic Carbon - C = 0.02

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):
Not applicable

15.2. Chemical safety assessment
Not available

SECTION 16: Other information

Full text of phrases referred to in Section 3:
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H412 Harmful to aquatic life with long lasting effects.
H319 Causes serious eye irritation.
H315 Causes skin irritation.

This safety data sheet has been completely updated in compliance to Regulation 2015/830.
This document was prepared by a competent person who has received appropriate training.
This MSDS cancels and replaces any preceding release.
Where applicable, refer to the following regulatory provisions :
Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments; Regulation (EC) n°1272/2008; Regulation (EC) N. 790/2009 (annex VI), Regulation (EC) n. 1907/2006 (REACH).
Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments; Commission Directive n. 2006/8/CE.
Regulation (EC) nr 648/2004 and CE N. 907/2006 (Detergents).
Directive 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.
Directive 91/271/EEC and 91/676/CEE (protection of waters) and subsequent amendments.
Directive 2013/10/EU (aerosols) amending Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) n° 1272/2008 on classification, labelling and packaging of substances and mixtures and subsequent amendments.
Regulation (EC) No 1223/2009 on cosmetic products and subsequent amendments.
Regulation (EU) No 126/2013 amending Annex XVII to Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments. Regulation (EC) N. 304/2003 and subsequent amendments. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products and subsequent amendments.
Directives 91/156/CEE, 91/689/CEE, 94/62/CE (Disposal of waste) and subsequent amendments.
The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), current edition.
Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.
RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition.
IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.

Main bibliographic sources:
The ISS National Inventory of Chemical Substances (INSC)
ESIS: European chemical Substances Information System and Environmental hazard classification.
Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)
ACGIH - TLV's for 2010
NIOSH - Registry of toxic effects of chemical substances (1983)
Material Safety Data Sheets of chemicals, REACH database
Material Safety Data Sheet and Technical Data of raw material as by Supplier.

Abbreviations and acronyms:
TLV-TWA = Threshold Limit Value- time-weighed average, 8-hour workday, 40-hour workweek;
TLV-STEL-15 min = Threshold Limit Values - Short Term Exposure Limit; TLV-C = Ceiling exposure limit;

Notes: IBE= Biological Exposure Indices; SEN= sensitizer; Skin= Can be absorbed through the skin. Carcinogenicity categories: A1 / A2 = confirmed / suspected human carcinogen; A3 = Animal carcinogen; A4 / A5 = Not Classificable/not suspected as a human carcinogen. ACGIH = American Conference on Governmental Industrial Hygienists. OEL =Occupational Exposure Limit. VLPE = Occupational Exposure Limit Values. LTE =long term exposure, STE=short term exposure.
n.av.= Not Available, n.a. = not applicable; LD50=lethal dose (solids and liquids), LC50=lethal concentration (gases) that will kill 50% of the test animals; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road. Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.
RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition.
IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.
PBT = Persistent, Bioaccumulative and Toxic substances. ; vPvB = very Persistent and very Bioaccumulative substances; CMR = Carcinogenic, mutagenic or reproduction toxic substances.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.