Safety Data Sheet
107.1607/4 - 114.1607 - DOUBLE CLEAN

Safety Data Sheet dated 16/3/2017, version 2

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

1.1. Product identifier

Mixture identification:

Trade name: 107.1607/4 - 114.1607 - DOUBLE CLEAN

Trade code: DOUBLE CLEAN

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

Recommended use:

Car care product. Professional use.

Uses advised against:

All not indicated in the suggested uses.

1.3. Details of the supplier of the safety data sheet

Company:

RUPES SPA - Via Marconi 3A, 20080, Vermezzo (MI) – Italy

RUPES SPA - Telefono n°+3902946941

Competent person responsible for the safety data sheet:

info_rupes@rupes.it

1.4. Emergency telephone number

For United States, Canada Puerto Rico and Virgin Island: 1-800-255-3924

For China: 400-120-0751

For Brazil: 0-800-591-6042

For India: 000-800-100-4086

For Mexico: 01-800-099-0731

For Europe and all the other countries: 001-813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.



Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:
H314 Causes severe skin burns and eye damage.
Precautionary statements:
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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/...
Special Provisions:
None
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
N.A.
3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 7% - < 10%	ALCOHOL C11-13 POLYETHOXILATED	CAS: 68439-54-3 REACH No.: 01-2119980051-45	3.1/4/Oral Acute Tox. 4 H302 3.3/1 Eye Dam. 1 H318
>= 3% - < 5%	HYDROXYETHYLIDENDIPHOSPHONIC ACID	CAS: 2809-21-4 REACH No.: 01-2119510391-53	3.2/1B Skin Corr. 1B H314 3.3/1 Eye Dam. 1 H318
>= 3% - < 5%	sodium hydroxide; caustic soda	Index number: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5	2.16/1 Met. Corr. 1 H290 3.2/1A Skin Corr. 1A H314
>= 3% - < 5%	2-butoxyethanol; ethylene glycol monobutyl ether	Index number: 603-014-00-0 CAS: 111-76-2 EC: 203-905-0	3.3/2 Eye Irrit. 2 H319 3.2/2 Skin Irrit. 2 H315 3.1/4/Oral Acute Tox. 4 H302 3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Inhal Acute Tox. 4 H332

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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
Remove contaminated clothing immediatley and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

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.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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 all sources of ignition.
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, inhaltion of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contamined clothing should be changed before entering eating areas.
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 container closed when not in use. Keep only in the original container in a cool, well ventilated place away from: direct sunlight, heat and ignition sources
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)

Car care product. Professional use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

sodium hydroxide; caustic soda - CAS: 1310-73-2
- OEL Type: TLV-ACGIH - LTE: 2 mg/m3 - STE: 2 mg/m3

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2
- OEL Type: TLV-ACGIH - LTE: 121 mg/m3, 25 ppm
- OEL Type: TLV-ACGIH - LTE: 97 mg/m3
- OEL Type: OEL - LTE: 98 mg/m3

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values
N.A.
8.2. Exposure controls
Eye protection:
Wear eye/face protection
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
Respiratory protection:
Combination filtering device (DIN EN 141).
Container device with compressed air (DIN EN 137).
Fresh-air tube device (DIN EN 138).
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

Properties	Value	Method:	Notes
Appearance and colour:	Liquid green blue limpid	--	--
Odour:	characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	>13	--	--
Melting point / freezing point:	<0°C	--	--
Initial boiling point and boiling range:	>100°C ° C	--	--
Flash point:	> 60°C ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	1.0 Kg/L	--	--
Relative density:	N.A.	--	--
Solubility in water:	Soluble	--	--

Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reactions known
10.2. Chemical stability
stable under normal conditions
10.3. Possibility of hazardous reactions
No dangerous reactions known
10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures
10.5. Incompatible materials
Strong acids. Strong bases
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological information of the mixture:
N.A.
Toxicological information of the main substances found in the mixture:
sodium hydroxide; caustic soda - CAS: 1310-73-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1350 mg/kg
Test: LD50 - Route: Skin - Species: Rat = 1350 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 1350 mg/kg
Test: LD50 - Route: Inhalation - Species: Mouse = 4800 mg/kg

Test: LD50 - Route: Oral - Species: Rabbit = 500 mg/kg

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 470 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 220 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 2.21 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rabbit = 320 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

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

Adopt good working practices, so that the product is not released into the environment.

sodium hydroxide; caustic soda - CAS: 1310-73-2

a) Aquatic acute toxicity:

Endpoint: EC0 - Species: Ceriodaphnia dubia = 40.4 mg/l - Duration h: 48
Endpoint: LC50 - Species: Gambusia affinis = 125 mg/l - Duration h: 96

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

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

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.

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SECTION 14: Transport information

14.1. UN number

ADR-UN number:	UN1719
IATA-Un number:	UN1719
IMDG-Un number:	UN1719

14.2. UN proper shipping name

ADR-Shipping Name:	Caustic Alkali Liquid, N.O.S. (Sodium Hydroxyde)
IATA-Technical name:	Caustic Alkali Liquid, N.O.S. (Sodium Hydroxyde)
IMDG-Technical name:	Caustic Alkali Liquid, N.O.S. (Sodium Hydroxyde)

14.3. Transport hazard class(es)

ADR-Class:	8
ADR-Label:	8
ADR - Hazard identification number:	80
IATA-Class:	8
IATA-Label:	8
IMDG-Class:	8

14.4. Packing group

ADR-Packing Group:	II
IATA-Packing group:	II
IMDG-Packing group:	II

14.5. Environmental hazards

Marine pollutant:	No

14.6. Special precautions for user

ADR-Tunnel Restriction Code:	E
IATA-Cargo Aircraft:	8
IMDG-Technical name:	Caustic Alkali Liquid, N.O.S. (Sodium Hydroxyde)
IMDG-EMS:	F-A, S-B

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

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:
Restriction 3
Restrictions related to the substances contained:
No restriction.

Where applicable, refer to the following regulatory provisions :
Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
N.A.

15.2. Chemical safety assessment
No

SECTION 16: Other information

Full text of phrases referred to in Section 3:
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H314 Causes severe skin burns and eye damage.
H290 May be corrosive to metals.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

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.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.

GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.