Safety Data Sheet
COMORCAP T4551

Safety Data Sheet date: 4/6/2023, version 1

1. Identification

GHS Product identifier

Mixture identification:

Trade name: COMORCAP T4551

Other means of identification

SDS code: P54551

Recommended use and restrictions on use

Recommended use:

Solvent

Industrial uses

Restrictions on use:

No uses advised against are identified.

Supplier's details

Manufacturers:

Socomore SASU - Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France -Tel. +33 (0)2 97 43 76 90

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Emergency phone number:

CHEMTEL: +1-813-248-0585 (International); 1-800-255-3924 (USA)

France : ORFILA (INRS) +33 (0)1 45 42 59 59

2. Hazard identification

Classification of the hazardous product

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

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

Aquatic Acute 2, Toxic to aquatic life.

GHS label elements, including precautionary statements

Hazard pictograms:

Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.
H401 Toxic to aquatic life.

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.
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.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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/...
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with applicable regulations.

Special provisions

None

Other hazards

None

Ingredient(s) with unknown acute toxicity

None.

3. Composition/Information on ingredients

Substances

N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

>= 10% - < 30% benzyl alcohol

REACH No.: 01-2119492630-38, Index number: 603-057-00-5, CAS: 100-51-6, EC: 202-859-9
A.1/4/Dermal Acute Tox. 4 H312
A.1/4/Oral Acute Tox. 4 H302
A.1/4/Inhal Acute Tox. 4 H332
A.3/2A Eye Irrit. 2A H319

>= 3% - < 7% POTASSIUM 3,5,5-TRIMETHYLHEXANOATE

REACH No.: Exempted--------, CAS: 93918-10-6, EC: 299-890-3
A.3/2A Eye Irrit. 2A H319
A.2/2 Skin Irrit. 2 H315

>= 1% - < 5% ammonia ....%

REACH No.: 01-2119488876-14, Index number: 007-001-01-2, CAS: 1336-21-6, EC: 215-647-6

A.1/4/Oral Acute Tox. 4 H302
A.2/1B Skin Corr. 1B H314
A.3/1 Eye Dam. 1 H318
A.8/3 STOT SE 3 H335
CAN-HAE/A1 Aquatic Acute 1 H400 M=1.

Specific Concentration Limits:
C >= 5%: STOT SE 3 H335

The actual concentration of the components listed above is withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
Remove contaminated clothing immediately and dispose of 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.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
No particular treatment.

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water.
Carbon dioxide (CO2).

Unsuitable extinguishing media

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and material for containment and cleaning up

Wash with plenty of water.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not use on extensive surface areas in premises where there are occupants.

Don't use empty container before they have been cleaned.

Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

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.

Storage temperature:

Store at ambient temperature.

8. Exposure controls/personal protection

Control parameters

benzyl alcohol - CAS: 100-51-6

- OEL Type: National - TWA(8h): 22 mg/m3, 5 ppm - Notes: Germany - DFG, H, Y,11

ammonia ....% - CAS: 1336-21-6

- OEL Type: EU - TWA: 14 mg/m3, 20 ppm - STEL: 36 mg/m3, 50 ppm

- OEL Type: National - TWA: 14 mg/m3, 20 ppm - STEL: 36 mg/m3, 50 ppm - Notes: Spain

DNEL Exposure Limit Values

benzyl alcohol - CAS: 100-51-6

Worker Industry: 40 mg/kg b.w./day - Consumer: 20 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 110 mg/m3 - Consumer: 27 mg/kg b.w./day - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 8 mg/kg b.w./day - Consumer: 4 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 22 mg/m3 - Consumer: 5.4 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 20 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

ammonia ....% - CAS: 1336-21-6

Worker Industry: 6.8 mg/kg b.w./day - Consumer: 68 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 47.6 mg/m3 - Consumer: 23.8 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 47.6 mg/m3 - Consumer: 23.8 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 36 mg/m3 - Consumer: 7.2 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 14 mg/m3 - Consumer: 6.8 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

benzyl alcohol - CAS: 100-51-6

Target: Fresh Water - Value: 1 mg/l

Target: Marine water - Value: 0.1 mg/l

Target: PNEC01 - Value: 2.3 mg/l

Target: Soil - Value: 0.456 mg/kg

Target: Freshwater sediments - Value: 5.27 mg/kg

Target: Marine water sediments - Value: 0.527 mg/kg

Target: Microorganisms in sewage treatments - Value: 39 mg/l

ammonia ....% - CAS: 1336-21-6

Target: Fresh Water - Value: 0.0011 mg/l

Target: Marine water - Value: 0.0011 mg/l

Target: Water (intermittent discharge) - Value: 0.089 mg/l

Appropriate engineering controls

None

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Safety goggles (EN 166)

Face protection shield.

Use closed fitting safety goggles, don't use eye lens.

Protection for skin:
- Chemical protection clothing. (type 3 - EN14605)
- Chemical protection clothing. (type 6 - EN13034)
- Boots (NF EN13832-3)

Protection for hands:
- Suitable gloves type: NF EN374
- NR (natural rubber, natural latex).
- NBR (nitrile rubber).
- PVC (polyvinyl chloride).
- Butyl rubber (isobutylene-isoprene copolymer)
- PVA (Polyvinyl alcohol).

Respiratory protection:
- Use adequate protective respiratory equipment.

Thermal Hazards:
- None

9. Physical and chemical properties

Appearance and colour:	Colourless
Odour:	AMMONIA
Odour threshold:	N.A.
pH:	12.5
Melting point / freezing point:	Not Relevant
Initial boiling point and boiling range:	100 °C
Evaporation rate:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour pressure:	N.A.
Vapour density:	N.A.
Relative density:	1
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.

10. Stability and reactivity

Reactivity
- Stable under normal conditions

Chemical stability
- Stable under normal conditions

Possibility of hazardous reactions
- None

Conditions to avoid
- Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Toxicological information of the product:

COMORCAP T4551

Acute toxicity:

ATEmix - Oral 4285,73 mg/kg bw

ATEmix - Dermal 5213,27 mg/kg bw

ATEmix - Inhalation (Vapours) 52,1327 mg/l

Toxicological information of the main substances found in the product:

benzyl alcohol - CAS: 100-51-6

Acute toxicity:

Test: ATE - Route: Inhalation = 11 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat (male) = 1620 mg/kg

Test: ATE - Route: Oral = 1620 mg/kg

Test: LD50 - Route: Oral - Species: Rat (Male, female) = 1620 mg/kg - Duration: 4h

Carcinogenicity:

Route: Oral - Species: mouse (Male, female) = 400 mg/kg bw/day - Duration: 104 weeks - Source: OECD 451

Reproductive toxicity:

Test: NOAEL - Route: Oral - Species: mouse (Male, female) = 200 mg/kg bw - Duration: 91 days

Test: NOAEL (fertility) - Route: Oral - Species: mouse (Male) = 800 mg/kg - Duration: 91 days

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 400 mg/kg bw - Duration: 91 days

Test: NOAEL (fertility) - Route: Oral - Species: Rat (Male, female) = 800 mg/kg bw - Duration: 91 days

Test: NOAEC - Route: Inhalation - Species: Rat (Male, female) = 1072 mg/m3 - Duration: 28 days - Source: OECD 412

Test: NOAEL (fertility) - Route: Inhalation - Species: Rat (Male, female) = 1072 mg/m3 - Duration: 28 days - Source: OECD 412

STOT-repeated exposure:

Test: NOAEC - Route: Inhalation (aerosol) - Species: Rat (Male, female) = 1072 mg/m3 - Duration: 28 days - Source: OECD 412

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 400 mg/kg - Duration: 103 weeks, 5 days/week - Source: OECD 451

Test: NOAEC - Route: Inhalation (dust, mist) - Species: Rat (Male, female) = 1072 mg/m3 - Duration: 28 days - Source: OECD 412

ammonia ....% - CAS: 1336-21-6

Acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 7035 mg/m3 - Notes: 30 min
Test: LD50 - Route: Oral - Species: Rat = 350 mg/kg
Test: LD50 = 750 mg/kg - Source: chat
Test: LD50 = 43 mg/kg - Source: humain

Respiratory or skin sensitisation:
Test: NOAEL - Route: Inhalation = 67 mg/kg - Duration: 28 days

benzyl alcohol - CAS: 100-51-6
LD50 (RABBIT) SKIN SINGLE DOSE: 2000 MG/KG

ammonia ....% - CAS: 1336-21-6
LD50 (RAT) ORAL: 350 MG/KG

Substance(s) listed on the NTP report on Carcinogens:
None.

Substance(s) listed on the IARC Monographs:
None.

Substance(s) listed as OSHA Carcinogen(s):
None.

Substance(s) listed as NIOSH Carcinogen(s):
None.

12. Ecological information

Ecotoxicity

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

benzyl alcohol - CAS: 100-51-6

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 460 mg/l - Duration h: 96 - Notes: Pimephales promelas/ EPA OPP 72-1
Endpoint: EC50 - Species: Daphnia = 230 mg/l - Duration h: 48 - Notes: Daphnia magna, OECD 202

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 51 mg/l - Duration h: 504 - Notes: Daphnia magna, OECD 211

d) Terrestrial toxicity:
Endpoint: IC50 - Species: Microorganisms = 390 mg/kg - Duration h: 24 - Notes: ISO 8192; Nitrosomas

e) Plant toxicity:
Endpoint: NOEC - Species: Algae = 310 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata, OECD 201
Endpoint: EC50 - Species: Algae = 770 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata, OECD 201

ammonia ....% - CAS: 1336-21-6

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 0.89 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 101 mg/l - Duration h: 48

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.79 mg/l - Duration h: 96

Persistence and degradability

benzyl alcohol - CAS: 100-51-6

Biodegradability: Biodegradation in water - Test: OECD 301C - Duration: 14 days - %: 92-96 - Notes: OECD 301C

ammonia ....% - CAS: 1336-21-6

Biodegradability: Intrinsically biodegradable

Bioaccumulative potential

benzyl alcohol - CAS: 100-51-6

BCF 1.37 l/kg

Log Kow 1.05 - Notes: 20°C

ammonia ....% - CAS: 1336-21-6

Log Pow -0.64

Mobility in soil

benzyl alcohol - CAS: 100-51-6

Log Koc 15.7

Volality (H: Henry's Law Constant) 0.0879 Pa.m³/mol

ammonia ....% - CAS: 1336-21-6

Log Koc 13.8

Other adverse effects

No harmful effects expected.

13. Disposal considerations

Safe handling and methods for disposal

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

UN number

ADR-UN Number:	3267
DOT number: UN3267	
IATA-UN Number:	3267
IMDG-UN Number:	3267

UN proper shipping name

TDG-Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ammonia ...%, benzyl alcohol)
ADR-Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ammonia ...%, benzyl alcohol)

DOT-Shipping Name: Corrosive liquid, basic, organic, n.o.s.(ammonia ...%, benzyl alcohol)
IATA-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ammonia ...%, benzyl alcohol)
IMDG-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ammonia ...%, benzyl alcohol)

Transport hazard class(es)
ADR-Class: 8
DOT Hazard Class: 8
ADR - Hazard identification number: 80
IATA-Class: 8
IATA-Label: 8
IMDG-Class: 8

Packing group
ADR-Packing Group: III
DOT Packing group: III
IATA-Packing group: III
IMDG-Packing group: III

Environmental hazards
ADR-Enviromental Pollutant: No
IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
N.A.

Special precautions in connection with transport or conveyance
DOT Special provisions: IB3, T7, TP1, TP28
DOT Labels: 8
ADR-Subsidiary hazards: -
ADR-S.P.: 274
ADR-Transport category (Tunnel restriction code): 3 (E)
IATA-Passenger Aircraft: 852
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 856
IATA-S.P.: A3 A803
IATA-ERG: 8L
IMDG-EmS: F-A , S-B
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: Clear of living quarters. "Separated from" acids.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question.
This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.

NPRI - National Pollutant Release Inventory
Substance(s) listed under NPRI:

None.

100-51-6	benzyl alcohol
93918-10-6	POTASSIUM 3,5,5-TRIMETHYLHEXANOATE
1336-21-6	ammonia ....%

DSL/NDSL Inventories (Canada):
COMORCAP T4551
One or more components are listed in the NDSL. All other components are listed in the DSL.

TSCA inventory
All the components are listed on the TSCA inventory.
TSCA sections for substances listed in section 3:
benzyl alcohol is listed in TSCA Section 8b
POTASSIUM 3,5,5-TRIMETHYLHEXANOATE is listed in TSCA Section 8b
ammonia ....% is listed in TSCA Section 8b.

USA - Federal regulations
SARA - Superfund Amendments and Reauthorization Act
Section 302 Extremely Hazardous Substances: no substances listed.
Section 304 Hazardous substances: ammonia ....%.
Section 313 Toxic chemical list: ammonia ....%.
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
Substance(s) listed under CERCLA: ammonia ....% - Reportable quantity: 1000 pounds.
Reportable quantity for mixture: 27716.18625 pounds.
CAA - Clean Air Act
CAA listed substances:
benzyl alcohol is listed in CAA Section 111, Section 112(b) - HON.
CWA - Clean Water Act
CWA listed substances:
ammonia ....% is listed in CWA Section 311.

USA - State specific regulations
California Proposition 65
Substance(s) listed under California Proposition 65:
None.
Massachusetts Right to know
Substance(s) listed under Massachusetts Right to know:
benzyl alcohol
ammonia ....%.
New Jersey Right to know
Substance(s) listed under New Jersey Right to know:
ammonia ....%.
Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:

benzyl alcohol
ammonia ....%.

16. Other information

Full text of phrases referred to in Section 3:

H312 Harmful in contact with skin.
H302 Harmful if swallowed.
H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.

Safety Data Sheet date: 4/6/2023, version 1

Disclaimer:

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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average