

Safety Data Sheet dated 5/10/2011, version 2

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

1.1. Product identifier

Mixture identification:
Trade name: FTALON TAC/75 ABT
Trade code: 721EA137

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

Recommended use:

Resin for paints

1.3 Details of the supplier of the safety data sheet

Company:
GALSTAFF MULTIRESINE S.p.A. - Via Stazione 90 - 21020 MORNAGO (VA) - ITALY
Tel. +39 0331 9014.1 Fax. +39 0331 903777
GALSTAFF MULTIRESINE S.p.A.
Tel.+39 0331 9014.1 Fax 0331 903777
h 8.30-17.30

Competent person responsible for the safety data sheet:

safety.sds@galstaffmultiresine.com

1.4. Emergency telephone number

GALSTAFF MULTIRESINE S.p.A.
Tel.+39 0331 9014.1 Fax 0331 903777
h 8.30-17.30

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

None.

R Phrases:

R10 Flammable.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

R Phrases:

R10 Flammable.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

S Phrases:

S43 In case of fire, use foam, CO₂, powder halogenated. To cool the containers to use vapour water. Not to use directed water jets on flames.
S60 This material and its container must be disposed of as hazardous waste.

2.3. Other hazards

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 EEC directive 67/548 and CLP regulation and corresponding classification:

25% - 30% n-butyl acetate

REACH No.: 01-2119485493-29 CAS: 123-86-4 EC: 204-658-1

R10-66-67; substance with a Community workplace exposure limit

 2.6/3 Flam. Liq. 3 H226
 3.8/3 STOT SE 3 H336

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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
Treatment:
None

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
Suitable extinguishing media:
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, inhalation 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.
Contaminated 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 away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
- 7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
n-butyl acetate - REACH: 01-2119485493-29, CAS: 123-86-4, EC No: 204-658-1
TLV TWA: 713 mg/m³, 150 ppm
TLV STEL: 959 mg/m³, 200 ppm
- 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:
Use adequate protective respiratory equipment, e.g. CEN/FFP-2 or CEN/FFP-3.
Thermal Hazards:
None
Environmental exposure controls:
None

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
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|---------------------------------|----------------|
| Appearance and colour: | Liquid |
| Odour: | characteristic |
| Odour threshold: | N.A. |
| pH: | N.A. |
| Melting point / freezing point: | N.D. °C |

| | |
|---|-----------------------------------|
| Initial boiling point and boiling range: | n-butyl acetate = 126 °C |
| Solid/gas flammability: | N.D. |
| Upper/lower flammability or explosive limits: | N.A. |
| Vapour density: | n-butyl acetate = 4 (air=1) |
| Flash point: | n-butyl acetate = 27 °C |
| Evaporation rate: | N.A. |
| Vapour pressure: | n-butyl acetate = 15 mbar (20°C) |
| Relative density: | (20°C) = 1.093 kg/l |
| Solubility in water: | Insoluble |
| Lipid solubility: | N.D. |
| Partition coefficient (n-octanol/water): | n-butyl acetate = 2.3 log Pow |
| Auto-ignition temperature: | n-butyl acetate = 415 °C |
| Decomposition temperature: | N.A. |
| Viscosity: | (25°C) = 12500 mPas |
| Explosive properties: | n-butyl acetate = 1.2 - 7.5 vol % |
| Oxidizing properties: | N.D. |
| 9.2 Other information | |
| Miscibility: | N.A. |
| Fat Solubility: | N.A. |
| Conductivity: | N.A. |
| Substance Groups relevant properties | N.A. |

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
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.
- Toxicological information on main components of the mixture:

n-butyl acetate - REACH: 01-2119485493-29, CAS: 123-86-4, EC No: 204-658-1

OBSERVATIONS ON HUMAN SUBJECTS:

Inhalation: 3300 ppm (16 mg/l), for short periods, cause serious irritation to the eyes and to the nose.

Inhalation: 200-300 ppm (1-1.4 mg/l), for short periods, cause moderate irritation to the eyes and to the nose.

Inhaling the vapours can irritate the respiratory system.

The vapours can cause headache and nausea. As a liquid it can irritate the eyes and cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes inebriation, hallucinations and sedation.

Symptoms of illness at 500 ppm. Serious toxic effects at 2,000 ppm for 60 min.

TCLo: 200 ppm

SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
- 12.2. Persistence and degradability
None
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number
- | | |
|-----------------|------|
| ADR-UN Number: | 1866 |
| IATA-UN Number: | 1866 |
| IMDG-UN Number: | 1866 |
- 14.2 UN proper shipping name:

| | |
|---|---------------------------|
| ADR-Shipping Name: | RESIN SOLUTION, flammable |
| IATA-Shipping Name: | RESIN SOLUTION, flammable |
| IMDG-Shipping Name: | RESIN SOLUTION, flammable |
| 14.3 Transport hazard class(es): | |
| ADR-Class: | 3 |
| ADR-HI number: | 30 |
| IATA-Class: | 3 |
| IATA-Label: | Flamm. Liquid |
| IMDG-Class: | 3 |
| 14.4 Packing Group: | |
| ADR-Packing Group: | III |
| IATA-Packing group: | III |
| IMDG-Packing group: | III |
| 14.5 Environmental hazards | |
| IMDG-Marine pollutant: | No |
| 14.6 Special Precautions for User | |
| ADR-S.P.: | 640E |
| ADR-Tunnel Restriction Code: | (D/E) |
| IATA-Passenger Aircraft: | 355 |
| IATA-Cargo Aircraft: | 366 |
| IATA-ERG: | 3L |
| IMDG-EmS: | F-E , <u>S-E</u> |
| IMDG-Storage category: | A |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | |
| Environmental Pollutant: | No |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP), Regulation (CE) n. 790/2009 (1° ATP CLP), Regulation (EU) n. 453/2010 (Annex I).

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Volatile Organic compounds - VOCs = 25.00 %

Volatile Organic compounds - VOCs = 273.25 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 15.51

SECTION 16: Other information

Text of phrases referred to under heading 3:

R10 Flammable.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Paragraphs modified from the previous revision:

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

SECTION 9: Physical and chemical properties

SECTION 15: Regulatory information

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

CCNL - Appendix 1

Insert further consulted bibliography

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.

Safety Data Sheet
FTALON TAC/75 ABT

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|-----------|---|
| 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. |
| 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. |
| TWATLV: | Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). |
| WGK: | German Water Hazard Class. |