

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2015/830

BRP

Cleaner for fresh PU foam and gun

Revision n. 02

Dated 04/05/2021

Printed on 04/05/2021

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Replaced revision: 01

(Dated: 19/12/2018)



1 - Identification of the substance/mixture and of the company/undertaking

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

Application of the substance / the mixture	Cleaner for fresh PU foam and gun
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1.3. Details of the supplier of the safety data sheet

Name	Tecfi S.p.A.
Full Address	S.S.Appia km 193
District and Country	81050 Pastorano (CE) - Italia - tel. 0823 88 3338 - fax 0823 - 883260
e-mail (of the competent person responsible for the Safety Data Sheet)	rdc@tecfi.it

1.4. Emergency telephone number

For urgent inquiries refer to

Osp. NIGUARDA CA' GRANDA – Milano 02/66101029
CAV Policlinico "A. Gemelli" - Roma 06/3054343
Osp. "A. Cardarelli" - Napoli 081/7472870

2. Hazards identification

2.1. Classification of the substance or mixture

Aerosol 1 -> H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
Eye Irrit. 2 -> H319 Causes serious eye irritation.
STOT SE 3 -> H336 May cause drowsiness or dizziness.

Classification according to Regulation (EC) No 1272/2008

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation

Hazard pictograms:



GHS02

GHS07

Signal word: Danger

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Hazard-determining components of labelling

acetone

Hazard statements

H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness

Precautionary statements

P102	Keep out of reach of children
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing spray.
P280	Wear protective gloves/eye protection/face protection.
P284	In case of inadequate ventilation wear respiratory protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of container to in accordance with local/regional/national/international regulation.

Additional information

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Results of PBT and vPvB assessment Not applicable

3. Composition/information on ingredients

3.1. Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions

Dangerous components:

CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	65-75%
CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37	dimethyl ether ⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280	25-30%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide substance with a Community workplace exposure limit	1-5%

Additional information: For the wording of the listed hazard phrases refer to section 16

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4. First aid measures

4.1. Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

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

No further relevant information available

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

No further relevant information available

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

No further relevant information available

5.3. Advice for firefighters

Protective equipment: Mouth respiratory protective device.

Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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7. Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location. Store only in the original receptacle

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

7.3. Specific end use(s)

No further relevant information available

8. Exposure controls/personal protection

8.1. Control parameters

Additional information about design of technical facilities:

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace

CAS: 67-64-1 acetone

WEL	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
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CAS: 115-10-6 dimethyl ether

WEL	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
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CAS: 124-38-9 carbon dioxide

WEL	Short-term value: 27400 mg/m ³ , 15000 ppm Long-term value: 9150 mg/m ³ , 5000 ppm
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Additional information: The lists valid during the making were used as basis

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8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands: Protective gloves according to EN 374 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles Wear airtight protective goggles EN 166

Body protection: Protective work clothing EN 13688

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Aerosol	Explosive properties	Product does not present an explosion hazard.
Colour	According to product specification	Explosion limits Lower	2.6 Vol %
Odour	Characteristic	Explosion limits Upper	13 Vol %
Odour threshold	Not determined	Vapour pressure at 20 °C	233 hPa
pH	Not determined	Density at 20 °C	0.79 g/cm ³
Melting point/freezing point	Undetermined.	Relative density	Not determined
Initial boiling point and boiling range	55.8-56.6 °C	Vapour density	Not determined
Flash point	< -18 °C	Evaporation rate	Not determined
Flammability (solid, gas)	Not applicable.	Solubility in / Miscibility with water	Fully miscible
Ignition temperature	465 °C	Partition coefficient: n-octanol/ water	Not determined
Decomposition temperature	Not determined	Viscosity Dynamic	Not determined
Auto-ignition temperature	Product is not selfigniting	Viscosity Kinematic	Not determined

9.2. Other information

Solvent content: VOC (EC) 97,6 %

No further relevant information available

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10. Stability and reactivity

10.1 Reactivity

No further relevant information available

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known

10.4. Conditions to avoid

No further relevant information available

10.5. Incompatible materials

No further relevant information available

10.6. Hazardous decomposition products

No dangerous decomposition products known.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 67-64-1 acetone

Oral LD50 5,800 mg/kg (rat)

Dermal LD50 20,000 mg/kg (rabbit)

CAS: 115-10-6 dimethyl ether

Inhalative LC50/4 h 308 mg/l (rat)

Primary irritant effect:

· Skin corrosion/irritation Based on available data, the classification criteria are not met.

· Serious eye damage/irritation

Causes serious eye irritation.

· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

· Subacute to chronic toxicity:

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

· Germ cell mutagenicity Based on available data, the classification criteria are not met.

· Carcinogenicity Based on available data, the classification criteria are not met.

· Reproductive toxicity Based on available data, the classification criteria are not met.

· STOT-single exposure

May cause drowsiness or dizziness.

· STOT-repeated exposure Based on available data, the classification criteria are not met.

· Aspiration hazard Based on available data, the classification criteria are not met.

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12. Ecological information

12.1. Toxicity

Aquatic toxicity: No further relevant information available

12.2. Persistence and degradability

No further relevant information available

12.3. Bioaccumulative potential

No further relevant information available

12.4. Mobility in soil

No further relevant information available

12.5. Additional ecological information - General notes

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.6. Other adverse effects

No further relevant information available

13. Disposal considerations

13.1. Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

16 05 04* gases in pressure containers (including halons) containing hazardous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

14. Transport information

14.1 UN-Number ADR, IMDG, IATA UN1950

14.2 UN proper shipping name

· ADR 1950 AEROSOL

· IMDG AEROSOLS

· IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

· ADR

· Class 2 5F Gases

· Label 2.1

· IMDG, IATA

· Class 2.1

· Label 2.1

14.4 Packing group ADR, IMDG, IATA Void

14.6 Special precautions for user

· Warning: Gases

· EMS Number: F-D,S-U

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

· Transport/Additional information

· ADR

· Limited quantities (LQ) 1L

· UN "Model Regulation": UN 1950 AEROSOL, 2.1

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15. Regulatory information

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

No further relevant information available

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H220	Extremely flammable gas
H225	Highly flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

Abbreviations and acronyms

Flam. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3