

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

- 1.1 Product identifier

- Trade name: **TB 6602W**

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

No further relevant information available.

- Application of the substance / the mixture

Degreaser

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

THREE BOND EUROPE S.A.S
B.P 9105
95073 CERGY PONTOISE
FRANCE

TEL : 33 (0)1 34 32 39 60

FAX : 33 (0)1 34 32 39 61

- Information department:

Three Bond Europe H&S department : msds@threebond.fr
Site : <http://quickfds.com>

- 1.4 Emergency telephone number:

ORFILA (France) - Tel : +33 (0)1 45 42 59 59 (24h)
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)
EU Tel : 112

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

R38: Irritating to skin.



F+; Extremely flammable

R12: Extremely flammable.



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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R67: Vapours may cause drowsiness and dizziness.

- Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurised container.

Has a narcotising effect.

- Classification system:

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

- 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

GHS09

- Signal word

Danger

- Hazard-determining components of labelling:

Hydrocarbures, C7, n-alkanes, isoalkanes, cyclics

Hydrocarbures, C6, isoalkanes, <5% n-hexane

- Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container:

May burst if heated.

H315

Causes skin irritation.

H336

May cause drowsiness or dizziness.

H411

Toxic to aquatic life with long lasting effects.

- Precautionary statements

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251

Do not pierce or burn, even after use.

P211

Do not spray on an open flame or other ignition source.

P261

Avoid breathing spray.

P302+P352 IF ON SKIN: Wash with plenty of water.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information:

Restricted to professional users.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT:

Not applicable.

- vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- Description:

Mixture of the substances listed below with nonhazardous additions.

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- Dangerous components:

EC number: 931-254-9 Reg.nr.: 01-2119475515-33-XXXX	Hydrocarbures, C7, n-alkanes, isoalkanes, cyclics ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R51/53 R67 ----- ☒ Flam. Liq. 2, H225; ☒ Asp. Tox. 1, H304; ☒ Aquatic Chronic 2, H411; ☒ Skin Irrit. 2, H315; STOT SE 3, H336	50-100%
EC number: 931-254-9 Reg.nr.: 01-2119484651-34-XXXX	Hydrocarbures, C6, isoalkanes, <5% n-hexane ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R51/53 R67 ----- ☒ Flam. Liq. 2, H225; ☒ Asp. Tox. 1, H304; ☒ Aquatic Chronic 2, H411; ☒ Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide ----- ☒ Press. Gas R, H281	2.5-10%

- Additional information

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General information

Seek immediate medical advice

Immediately remove any clothing soiled by the product.

- After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact

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

- After swallowing

Do not induce vomiting; call for medical help immediately.

A person vomiting while lying on their back should be turned onto their side.

Induce vomiting, only if affected person is fully conscious.

- 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.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents

Use fire fighting measures that suit the environment.

Foam

Fire-extinguishing powder

Carbon dioxide

- For safety reasons unsuitable extinguishing agents

Water with full jet.

- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

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- **5.3 Advice for firefighters**
- **Protective equipment:** *Wear self-contained respiratory protective device.
Wear fully protective suit.*
- **Additional information** *Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.*

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Not applicable*
- **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.*
- **6.3 Methods and material for containment and cleaning up:** *Ensure adequate ventilation.
Send for recovery or disposal in suitable receptacles.*
- **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.*

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Take note of emission threshold.*
 - **Information about protection against explosions and fires:** *Do not spray on a naked flame or any incandescent material.*
- 

Keep ignition sources away - Do not smoke.
- Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.*
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and receptacles:** *Store in a cool location.
Observe official regulations on storing packagings with pressurised containers.*
 - **Information about storage in one common storage facility:** *Do not store together with oxidising and acidic materials.*
 - **Further information about storage conditions:** *Protect from heat and direct sunlight.*
 - **7.3 Specific end use(s)** *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

124-38-9 carbon dioxide ($\leq 10\%$)

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 that were valid during the creation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures should be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

- **Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2.

- **Protection of hands:**



Protective gloves.

Plastic gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

Nitrile rubber, NBR

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.

- **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:**

Safety glasses

- **Body protection:**

Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Aerosol

Colour: Colourless

- **Odour:** Solvent-like

- **pH-value:** Not applicable

- **Change in condition**

Melting point/Melting range: undetermined

Boiling point/Boiling range: Not applicable, as aerosol

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- | | |
|--|--|
| - Flash point: | < 0 °C |
| - Flammability (solid, gaseous) | Not applicable. |
| - Ignition temperature: | |
| Decomposition temperature: Not determined | |
| - Self igniting: | Not determined |
| - Danger of explosion: | Not determined. |
| - Vapour pressure: | Not determined. |
| - Density: | < 1 g/cm ³ |
| - Evaporation rate | Not applicable. |
| - Solubility in / Miscibility with Water: | Insoluble |
| - 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **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

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

- LD/LC50 values that are relevant for classification:
Hydrocarbures, C7, n-alkanes, isoalkanes, cyclics

Oral	LD50	>1675 mg/kg (rat) (OECD 401)
Dermal	LD50	>3350 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	259-354 mg/l (rat) (OECD 403)

Hydrocarbures, C6, isoalkanes, <5% n-hexane

Oral	LD50	>1675 mg/kg (rat) (OECD 401)
Dermal	LD50	>3350 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	259-354 mg/l (rat) (OECD 403)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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Irritant

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SECTION 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.
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:** Do not allow product to reach ground water, water course or sewage system, even in small quantities.
The product contains materials that are harmful to the environment.
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  Must be specially treated adhering to official regulations.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.
Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR** 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
- **IMDG** AEROSOLS (Hydrocarbures, C6, isoalcanes, <5% n-hexane), MARINE POLLUTANT
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**
- **ADR**
-  
- **Class** 2 5F Gases.

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- Label 2.1

- IMDG



- Class 2.1

- Label 2.1

- IATA



- Class 2.1

- Label 2.1

- 14.4 Packing group

- ADR, IMDG, IATA Void

- 14.5 Environmental hazards: Product contains environmentally hazardous substances: Hydrocarbures, C7, n-alkanes, isoalkanes, cyclics, Hydrocarbures, C6, isoalkanes, <5% n-hexane

- Marine pollutant: Yes
Symbol (fish and tree)

- Special marking (ADR): Symbol (fish and tree)

- 14.6 Special precautions for user Warning: Gases.

- Danger code (Kemler): -

- EMS Number: F-D,S-U

- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

- Transport/Additional information:

- ADR

- Limited quantities (LQ) 1L

- Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

- Transport category 2

- Tunnel restriction code D

- IMDG

- Limited quantities (LQ) 1L

- Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

- UN "Model Regulation": UN 1950, AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
- **National regulations**
- **Water hazard class:** *Water hazard class 2 (Self-assessment): hazardous for water.*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 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.

- **Relevant phrases**
 - H225 *Highly flammable liquid and vapour.*
 - H281 *Contains refrigerated gas; may cause cryogenic burns or injury.*
 - H304 *May be fatal if swallowed and enters airways.*
 - H315 *Causes skin irritation.*
 - H336 *May cause drowsiness or dizziness.*
 - H411 *Toxic to aquatic life with long lasting effects.*
 - R11 *Highly flammable.*
 - R38 *Irritating to skin.*
 - R51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
 - R65 *Harmful: may cause lung damage if swallowed.*
 - R67 *Vapours may cause drowsiness and dizziness.*
- **Abbreviations and acronyms:**
 - RID: *Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
 - ICAO: *International Civil Aviation Organisation*
 - ADR: *Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
 - IMDG: *International Maritime Code for Dangerous Goods*
 - IATA: *International Air Transport Association*
 - GHS: *Globally Harmonised System of Classification and Labelling of Chemicals*
 - EINECS: *European Inventory of Existing Commercial Chemical Substances*
 - ELINCS: *European List of Notified Chemical Substances*
 - CAS: *Chemical Abstracts Service (division of the American Chemical Society)*
 - LC50: *Lethal concentration, 50 percent*
 - LD50: *Lethal dose, 50 percent*
 - Flam. Aerosol 1: *Flammable aerosols, Hazard Category 1*
 - Press. Gas R: *Gases under pressure: Refrigerated liquefied gas*
 - Flam. Liq. 2: *Flammable liquids, Hazard Category 2*
 - Skin Irrit. 2: *Skin corrosion/irritation, Hazard Category 2*
 - STOT SE 3: *Specific target organ toxicity - Single exposure, Hazard Category 3*
 - Asp. Tox. 1: *Aspiration hazard, Hazard Category 1*
 - Aquatic Chronic 2: *Hazardous to the aquatic environment - Chronic Hazard, Category 2*

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