

SAFETY DATA SHEET

GRAF CLEAN

Version:4





Review date: 6/07/2015

RE EC/453/2010 - ISO 11014-1

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1. 1. Product identifier: GRAF CLEAN
1. 2. Relevant identified uses of the substance or mixture and uses advised against: For more information, to consult the chart.
1. 3. Details of the supplier of the safety data sheet: SELD
6 rue Jules Guesde – ZI du Pontet
F-69360 Saint Symphorien d'Ozon
France
Phone: +33 (0)4 37 25 16 16
Fax: +33 (0)4 78 21 80 70
E-mail: contact@mecatech-performances.com
1. 4. Product code nr: 427012
1. 5. Emergency telephone number: UK - National Poisons Information Service Phone: 44 / 191 22 5131

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: * Flam. Aerosol 1 / SGH02 - H222 *
* STOT SE 3 / SGH07 - H335 and H336 *
* Irr. oc. 2A / SGH07 - H319 *
2. 2. EC number: Not applicable.
2. 3. Label elements (R - S):
-  
2. 3. 1. Symbol(s): F+ - Extremely flammable ; Xi - Irritant
2. 3. 2. R-phrases(s): 12 Extremely flammable.
36 Irritating to eyes.
66 Repeated exposure may cause skin dryness or cracking
67 Vapours may cause drowsiness and dizziness
2. 3. 3. S-phrases(s): 2 Keep out of the reach of children.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe gas / fumes / vapour / spray.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
38 In case of insufficient ventilation, wear suitable respiratory equipment.
2. 4. Label elements (CLP - SGH):
-  
- Danger
2. 4. 1. Symbol(s) and signal word: .
2. 4. 2. Hazard statement: H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H335-336 May cause respiratory irritation. May cause drowsiness or dizziness.
2. 4. 3. Prevention: 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.
P264 Wash ????? thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

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2. 4. 4. Response:	P271 Use only outdoors or in a well-ventilated area. P305 IF IN EYES: P351 Rinse cautiously with water for several minutes. P338 Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice / attention. P304 IF INHALED: P340 Remove person to fresh air and keep comfortable for breathing. P312a Call a POISON CENTER / doctor if you feel unwell.
2. 4. 5. Storage:	P410 Protect from sunlight. P412 Do not expose to temperatures exceeding 50 °C / 122°F. P403 Store in a well-ventilated place. P233 Keep container tightly closed. P405 Store locked up.
2. 4. 6. Disposal:	P501a Dispose of contents / container in accordance with local / regional / national / international regulation
2. 5. Further information(s):	23.77 % by mass of the contents are flammable.
2. 6. Most important hazards:	Harmful by inhalation. Vapour / air mixture is flammable.
2. 7. Other hazards:	Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:

- acétate d'éthyle
- Id nr: 607-022-00-5 - CE nr: 205-500-4 - CAS nr: 141-78-6
- Conc. (weight %) : 20 < C ≤ 25
- R-S :
Classification: • F; R 11 • Xi; R 36 • R 66 • R 67 •
- SGH :
* SGH02 - Flame - Danger - Flam. Liq. 2 - H225
* SGH07 - Exclamation mark - Warning - STOT SE 3 - H336 - Irr. oc. 2 - H319
- VME ppm = 400 - VME mg/m³ = 1440
- Dioxyde de carbone
- CE nr: 204-696-9 - CAS nr: 124-38-9
- Conc. (weight %) : 1 < C ≤ 5
- SGH :
* SGH04 - Gas cylinder - Warning - Compressed gases - H280
- VME ppm = 5000 - VME mg/m³ = 9000 - VLE ppm = 30000 - VLE mg/m³ = 54000
- Methoxy propoxy propanol
- CE nr: 252-104-2 - CAS nr: 34590-94-8
- REACH registration number : 01-2119450011-60-0002
- Conc. (weight %) : 60 < C ≤ 70
- Miscellaneous :
LD50 / Ingestion / Rat = > 4 mg/kg
LC50 / 96h / Fish = 10 mg/l
LC50 / 48h / Shellfishes = 1.919 mg/l
LC50 / Inhalation (vapours) / 6h / Rat = 3.35 mg/l
LC50 / Skin contact / Rabbit = 9.510 mg/kg
CE50 / Bacteria = 4.168 mg/l

- VME ppm = 50 - VME mg/m³ = 308

The wording of the sentences are mentioned at heading 16.

4. FIRST AID MEASURES

SAFETY DATA SHEET

GRAF CLEAN

Version:4

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RE EC/453/2010 - ISO 11014-1

4. 1. Description of first aid measures:

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. 1. 1. General advice: | In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
For symptom description, see item 11. |
| 4. 1. 2. Inhalation: | Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth.
If unconscious, place in the recovery position and seek medical advice. |
| 4. 1. 3. Skin contact: | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. |
| 4. 1. 4. Eye contact: | Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice. |
| 4. 1. 5. Ingestion: | Rinse mouth, drink a lot of water, do not vomit, keep quiet, and go immediately to hospital or to a doctor. |

4. 2. Most important symptoms and effects, both acute and delayed:

- | | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. 2. 1. Inhalation: | narcotic effects |
| 4. 2. 2. Skin contact: | Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. |
| 4. 2. 3. Eyes contact: | Splashes in the eyes may cause irritation and reversible local damage. |
| 4. 2. 4. Ingestion: | May cause headache and dizziness |

4. 3. Indication of any immediate medical attention and special treatment needed :

In all cases of doubt, or when symptoms persist, seek medical attention.

5. FIREFIGHTING MEASURES

- | | |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5. 1. Extinguishing media: | alcohol-resistant foam, carbon dioxide (CO ₂), powder, water spray. |
| 5. 2. Special hazards arising from the substance or mixture: | Be careful of explosion risk.
Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.
Fire will produce dense black smoke. |
| 5. 3. Advice for firefighters: | Use a self-contained breathing apparatus and also a protective suit. |
| 5. 4. Specific method(s): | Cool closed containers exposed to fire with water spray. |
| 5. 5. Extinguishing media which must NOT be used for safety reasons: | Do not use water jet. |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6. 1. Personal precautions, protective equipment and emergency procedures: | Evacuate personnel to a safe area.
Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. |
| 6. 2. Environmental precautions: | Prevent liquid from entering sewers, watercourses, underground or low areas. |
| 6. 3. Methods and material for containment and cleaning up: | Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth
Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). |
| 6. 4. Reference to other sections: | Concerning personal protective equipment to use, see item 8.
Concerning disposal elimination after cleaning, see item 13. |

SAFETY DATA SHEET

GRAF CLEAN

Version:4

Review date: 6/07/2015

RE EC/453/2010 - ISO 11014-1

7. HANDLING AND STORAGE

7. 1. Handling:

7. 1. 1. Precautions for safe handling:

Smoking, eating and drinking is prohibited in areas of storage and use.
Avoid contact with skin and eyes.
For personal protection, see Section 8.
The Manual Handling Operations Regulations may apply to the handling of containers of this product. Refer to the guide weight indicated on the container when carrying out assessments.

7. 1. 2. Technical condition(s):

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Electrical equipment should be protected to the appropriate standard.

7. 2. Storage:

7. 2. 1. Conditions for safe storage, including any incompatibilities:

No smoking. Prevent unauthorised access.

7. 2. 2. Storage condition(s):

Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
Store at temperatures between 5°C and 50°C

7. 2. 3. Separation of incompatible product(s):

Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

7. 2. 4. Packaging / tank material:

made of the same material as the supply container.

7. 3. Specific end use(s):

None reasonably foreseeable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8. 1. Control parameters:

8. 1. 1. Exposure limit(s):

- acétate d'éthyle : VME ppm = 400 - VME mg/m³ = 1440
- Dioxyde de carbone : VME ppm = 5000 - VME mg/m³ = 9000 - VLE ppm = 30000 - VLE mg/m³ = 54000
- Methoxy propoxy propanol : VME ppm = 50 - VME mg/m³ = 308

8. 1. 2. Engineering measure(s):

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.

8. 2. Exposure controls:

8. 2. 1. Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment.

8. 2. 2. Hand protection:

Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

8. 2. 3. Skin and body protection:

Wear suitable protective clothing

8. 2. 4. Eye protection:

Eye protection designed to protect against liquid splashes should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

9. 1. Information on basic physical and chemical properties:

9. 1. 1. Appearance:

aerosol: liquid + propellant gas no flammable

9. 1. 2. Colour:

clear and colourless

9. 1. 3. Odour:

characteristic

9. 1. 4. PH:

7

9. 1. 5. Boiling point/range:

Not determined.

SAFETY DATA SHEET

GRAF CLEAN

Version:4

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RE EC/453/2010 - ISO 11014-1

9. 1. 6. Flash point:	< 21°C
9. 1. 7. Explosion limits:	0,6 -12 volume %
9. 1. 8. Relative density (w ater = 1):	0.9482 g/cm³
9. 1. 9. Viscosity:	Not determined.
9. 2. Other information:	
9. 2. 1. Water solubility:	partly miscible
9. 2. 2. Fat solubility:	completely soluble
9. 2. 3. Solvent solubility:	soluble in most organic solvents

10. STABILITY AND REACTIVITY

10. 1. Reactivity:	No decomposition if stored and applied as directed.
10. 2. Chemical stability:	Stable under the recommended storage and handling conditions. (See Section 7).
10. 3. Possibility of hazardous reactions:	Not w aited
10. 4. Conditions to avoid:	Avoid temperature above 50 °C Heating w ill cause rise in pressure w ith risk of bursting.
10. 5. Incompatible materials:	Keep aw ay from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.
10. 6. Hazardous decomposition products:	Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide...

11. TOXICOLOGICAL INFORMATION

11. 1. Information on toxicological effects:	There is no data available on the product itself.
11. 2. Acute toxicity:	
11. 2. 1. Inhalation:	see item nr 3
11. 2. 2. Skin contact:	see item nr 3
11. 2. 3. Eyes contact:	No data available.
11. 2. 4. Ingestion:	see item nr 3

12. ECOLOGICAL INFORMATION

12. 1. Toxicity:	Ecological problems are not know n or expected under normal use.
12. 2. Persistence and degradability:	Readily biodegradable.
12. 3. Bioaccumulative potential:	None bioaccumulation.
12. 4. Mobility in soil:	No data available.
12. 5. Results of PBT and vPvB assessment:	This product n' is not a substance PBT or vPvB, or n' in does not contain.
12. 6. Other adverse effects:	No expected harmful effects.
12. 6. 1. Toxicity to fish:	see item nr 3

13. DISPOSAL CONSIDERATIONS

13. 1. Waste treatment methods:	Do not allow into drains or w ater courses or dispose of w here ground or surface waters may be affected. Collect all w aste in suitable and labelled containers and dispose according to local legislation.
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13. 2. Contaminated packaging: Empty containers can be dumped according to local legislation.

14. TRANSPORT INFORMATION

14. 1. General information(s): Transport follow ed ADR, IMDG, IATA

14. 2. UN number: 1950

14. 2. 1. UN proper shipping name: AEROSOLS

14. 3. Land (Road / Railw ay: ADR/RID):

14. 3. 1. Transport hazard class(es): 2

14. 3. 2. ADR/RID-Labels: 2.1

14. 3. 3. Classification code: 5F

14. 3. 4. Packing instructions: P204

14. 4. Sea (IMDG):

14. 5. Air (ICAO/IATA):

14. 6. Environmental hazards: non-hazardous products

14. 7. Special precautions for user: Concerning personal protective equipment to use, see item 8.

14. 8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture: Labelling aerosol according to the directive 2008/47/CE of the commission of April 8, 2008 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep aw ay from sources of ignition - No smoking.

15. 2. Chemical safety assessment: No data available.

16. OTHER INFORMATION

16. 1. Text of the phrases listed in section 3: H225 Highly flammable liquid and vapour.
H336 May cause drow siness or dizziness.
H319 Causes serious eye irritation.
H280 Contains gas under pressure; may explode if heated.

16. 2. Important remarks: As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied w ith.
The user is alw ays responsible for ensuring that the requirements of relevant legislation are complied w ith.
The information contained in this safety data sheet is based on the present state of know ledge and current national legislation it provides guidance on health safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

16. 3. Restrictions: This information relates to the specific material designated and may not be valid in combination w ith other product(s).

16. 4. History:

16. 4. 1. First edition date: 06/10/2008

16. 4. 2. Previous revision date: 19/10/2012

16. 4. 3. Review date: 6/07/2015

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RE EC/453/2010 - ISO 11014-1

16. 4. 4. Version:	4
16. 4. 5. Review chapter(s) n°:	CLP
16. 5. Written by:	SELD