

Safety data sheet

According 830/2015 amending Regulation (EC) No 1907/2006

Revision date: 06.11.2018

Date of issue: 16.02.2015

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

1.1 Product identifier

• **Trade name: Developer D-106**

• **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** Developer

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Supplier:

BabbCo SA	SherwinBabbCo
15, rue des Frères Lumière	
Z.I. des EBISOIRES	
78370 PLAISIR (France)	
Tel: +33 (0)1.30.80.81.82	Tel: +33 (0)1.30.80.81.98
Fax: +33 (0)1.30.80.81.99	
e-mail: babb-co@orange.fr	e-mail: SherwinBabbco@orange.fr
http: //www.babbco.fr	

Manufacturer:

NDT Europa BV
damsluisweg 77
1332 EB almere / the netherlands
phone +31 (0) 36 5495000
fax +31 (0) 36 5495011
e-mail: info@ndt-europa.nl
http://www.ndt-europa.nl

• **Further information obtainable from:** Product safety department

1.4 Emergency telephone number:

Tel: +33 (0)1.40.05.48.48 (Centre anti-poison de Paris)

Tel: +33 (0)1.30.80.81.98

Additional information:

Attention Medical Authorities,

In accordance with law, to the best of its knowledge, and in good faith, SherwinBabb Co herewith indicates known, or possible, risks arising from the use of the product described below.

There may be similar products on the market for which the suppliers have not indicated certain risks.

Suppliers are responsible for completing SDS forms in a manner that:

- does not give a product's user a false sense of security concerning the product's risks, or which,
- misrepresents the product in a manner that could be construed as unfair competition, or which,
- could lead to legal proceedings against the supplier.

Please contact us to answer any questions, or for additional information, concerning this document, or the product(s) described.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

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

Hazard-determining components of labelling:

acetone

(Contd. on page 2)

— GB —

Safety data sheet

According 830/2015 amending Regulation (EC) No 1907/2006

Revision date: 06.11.2018

Date of issue: 16.02.2015

Trade name: Developer D-106

(Contd. of page 1)

Hazard statements

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

- 2.3 Other hazards** See Chapters 3 and 15 for details.

Results of PBT and vPvB assessment

- PBT:** Not applicable.

- vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 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	50-100%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	2.5-10%

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

SECTION 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.
Remove contaminated clothing.

- 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.

- 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:**

Water haze
Foam
ABC powder

- For safety reasons unsuitable extinguishing agents:** Water with full jet

- 5.2 Special hazards arising from the substance or mixture** Carbon monoxide and carbon dioxide

5.3 Advice for firefighters**Special protective equipment for fire-fighters:**

Wear self-contained respiratory protective device.

(Contd. on page 3)

Safety data sheet

According 830/2015 amending Regulation (EC) No 1907/2006

Revision date: 06.11.2018

Date of issue: 16.02.2015

Trade name: Developer D-106

(Contd. of page 2)

Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

6.2 Environmental precautions: 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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.
Work only in fume cupboard.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location.

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

Further information about storage conditions:

Store receptacle in fume cupboard.
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

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

CAS: 67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m ³ , 500 ppm
	Long-term value: 999 mg/m ³ , 400 ppm

Additional information: The lists valid during the making were used as basis.

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.

(Contd. on page 4)

Safety data sheet

According 830/2015 amending Regulation (EC) No 1907/2006

Revision date: 06.11.2018

Date of issue: 16.02.2015

Trade name: Developer D-106

(Contd. of page 3)

Respiratory protection:

Respiratory protection:

When using a liquid based on organic compound:

- Recommended for organic vapour (type A)

When using a dry powder:

- Recommended for particulate filters (type P)

Protection of hands:

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves** Natural rubber, NR

- **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

Tightly sealed goggles

- **Body protection:** Use protective suit.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Appearance:****Form:** Liquid**Colour:** White

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

Change in condition**Melting point/freezing point:** Undetermined.**Initial boiling point and boiling range:** 55 °C**Flash point:** -19 °C (ASTM D-93)

- **Flammability (solid, gas):** Not applicable.

- **Auto-ignition temperature:** 425 °C

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Not determined.

Explosion limits:**Lower:** 2.6 Vol %**Upper:** 13 Vol %

- **Vapour pressure at 20 °C:** 233 hPa

- **Density at 20 °C:** 0.887 g/cm³ (ASTM D-1298)

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

(Contd. on page 5)

Safety data sheet

According 830/2015 amending Regulation (EC) No 1907/2006

Revision date: 06.11.2018

Date of issue: 16.02.2015

Trade name: Developer D-106

(Contd. of page 4)

· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	84.0 %
VOC (1999/13/EG)	84.00 %
Solids content:	16.0 %
· 9.2 Other information	No further relevant information available.

SECTION 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.

SECTION 11: Toxicological information

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

· **LD/LC50 values relevant for classification:**

CAS: 67-64-1 acetone

Dermal	LD50	20,000 mg/kg (rabbit)
Inhalative	LC50/4h 0,29	>20 mg/kg (rat)

CAS: 67-63-0 propan-2-ol

Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4h 0,29	>20 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** repeated exposure may cause skin dryness or cracking
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
Information on hazardous ingredients

CAS: 67-64-1 acetone

LC50/ 96 h	>1,000 mg/l (Fish)
EC50/ 48 h	>1,000 mg/l (daphnia)

(Contd. on page 6)

Safety data sheet

According 830/2015 amending Regulation (EC) No 1907/2006

Revision date: 06.11.2018

Date of issue: 16.02.2015

Trade name: Developer D-106

(Contd. of page 5)


IC50 /72 h	>1,000 mg/l (Algae)
CAS: 67-63-0 propan-2-ol	
LC50/ 96 h	>100 mg/l (Fish)
EC50/ 48 h	>100 mg/l (daphnia)

- **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.
- **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.
- **12.5 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 not be disposed together with household garbage. Do not allow product to reach sewage system.
Waste/ unused products
Collect all waste in suitable and labelled containers and dispose according to local legislation.
- **European waste catalogue** 07 07 04
- **Uncleaned packaging:**
- **Recommendation:**
Waste / used products
Waste products and empty packages dispose of in accordance with local regulations.

SECTION 14: Transport information

• 14.1 UN-Number • ADR, IMDG, IATA	UN1993
• 14.2 UN proper shipping name • ADR • IMDG, IATA	1993 FLAMMABLE LIQUID, N.O.S. (ACETONE) FLAMMABLE LIQUID, N.O.S. (ACETONE)
• 14.3 Transport hazard class(es) • ADR, IMDG, IATA	
	
• Class • Label	3 Flammable liquids. 3
• 14.4 Packing group • ADR, IMDG, IATA	II
• 14.5 Environmental hazards: • Marine pollutant:	No
• 14.6 Special precautions for user • Danger code (Kemler): • EMS Number: • Stowage Category	Warning: Flammable liquids. 33 F-E, <u>S</u> -E B

(Contd. on page 7)

GB

Safety data sheet

According 830/2015 amending Regulation (EC) No 1907/2006

Revision date: 06.11.2018

Date of issue: 16.02.2015

Trade name: Developer D-106

(Contd. of page 6)

<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) 	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> · Transport category · Tunnel restriction code 	2 D/E
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> · IATA · Remarks: 	Max. net quantity per package - Passenger Aircraft 5 L Max. net quantity per package - Cargo Aircraft 60 L Max. net quantity per package - Limited quantities 1 L Packaging Instruction: Passenger Aircraft - PI 353 Cargo aircraft - PI 364 Limited quantities - PI Y341
<ul style="list-style-type: none"> · UN "Model Regulation": 	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONE), 3, II

* SECTION 15: Regulatory information

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

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category** P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

European regulation (REACH) requires that in paragraph 16 all H sentences dealing with raw materials appearing in paragraph 2 and 3 be written. This regulation states which sentences will finally be written on labels (paragraph 3) depending on the respective concentration of every raw material in the preparation. That's why some or all of the sentences or signs shows in paragraph 16 may not be written on the label. BabbCo complies with the law. Any MSDS with the H sentences of the raw material not shown in the paragraph 16 does not comply with regulation.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

(Contd. on page 8)

Safety data sheet

According 830/2015 amending Regulation (EC) No 1907/2006

Revision date: 06.11.2018

Date of issue: 16.02.2015

Trade name: Developer D-106

(Contd. of page 7)

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

• **Prepared by** NDT Europa BV• **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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

• *** Data compared to the previous version altered.**

GB