



UNITED INITIATORS

driving your success



Version 02
(update in April 2022)

United Initiators SAS

Summary

UI Group

- A short overview...

Summary

UI Group

- A short overview...

UI SAS

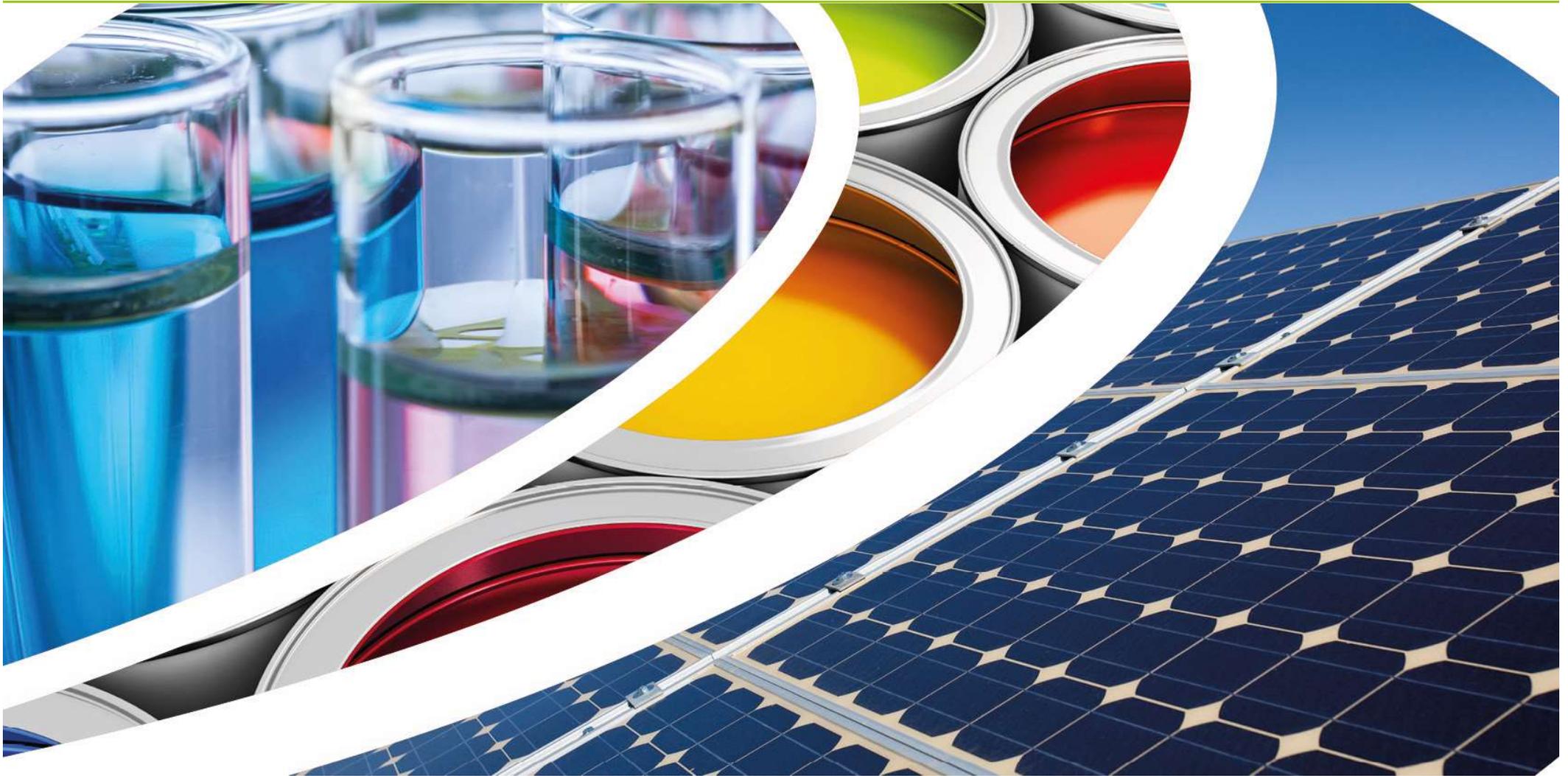
- The French entity...
- Logistics
- Distribution
- Specialties





UNITED INITIATORS

driving your success



UI Group - Presentation

UI Group - Presentation

A global market leader in high quality peroxide chemicals

Integrated producer of organic peroxides, persulfates and H_2O_2 worldwide

more than
€300
million
turnover

more than
100
years of experience

more than
900
employees

2020 figures



UI Group - Presentation

History of United Initiators II

- 2020**  **PeroxyChem**
Acquisition of H₂O₂ plant in Canada
- 2019**  **HP**
Acquisition of Hidrojen Peroksid
- 2018**  **VR**
Joint Venture with VR Persulfates
- 2016**  **EQUISTONE**
Equistone acquires majority stake
- 2012**  **SYRGIS**
Acquisition of Syrgis
- 2008**  **UNITED INITIATORS**
driving your success
United Initiators
- 2007**  **EVONIK**
INDUSTRIES
Evonik Industries
- 2001** **degussa.**
Degussa acquires Laporte
- 1994**  **AZTEC**
Laporte acquires Aztec Catalysts
- 1968** **Peroxid-Chemie**
Peroxid-Chemie
- 1961**  **LAPORTE**
Laporte Organics
- 1911** 
Elektrochemische
Werke München

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Plants & Offices



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United Initiators in EMEA



Pullach (DE) – United Initiators’ **headquarters** & **largest** integrated **organic peroxide** and persulfate **plant worldwide**

Chalon-sur-Saône (FR) – **Largest warehouse** of organic peroxides within UI Group (besides Pullach) & **Production** of some **specialties**

Pullach

Chalon



Bandirma



Ahmedabad



Elyria



Helena



Mobile



Prince George



Hefei



Huaibei



Banksmeadow



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“Satisfy customer needs with reliable service!”



- R**espectful
- E**ntrepreneurial
- S**afety-focused
- P**rofessional
- E**ngaged
- C**ustomer-focused
- T**ransparent

“The leading initiators producer serving a growing world!”

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Health, Environment and sustainability

Environmentally-friendly production and processes are prerequisites for the long-term preservation of the United Initiators' sites.

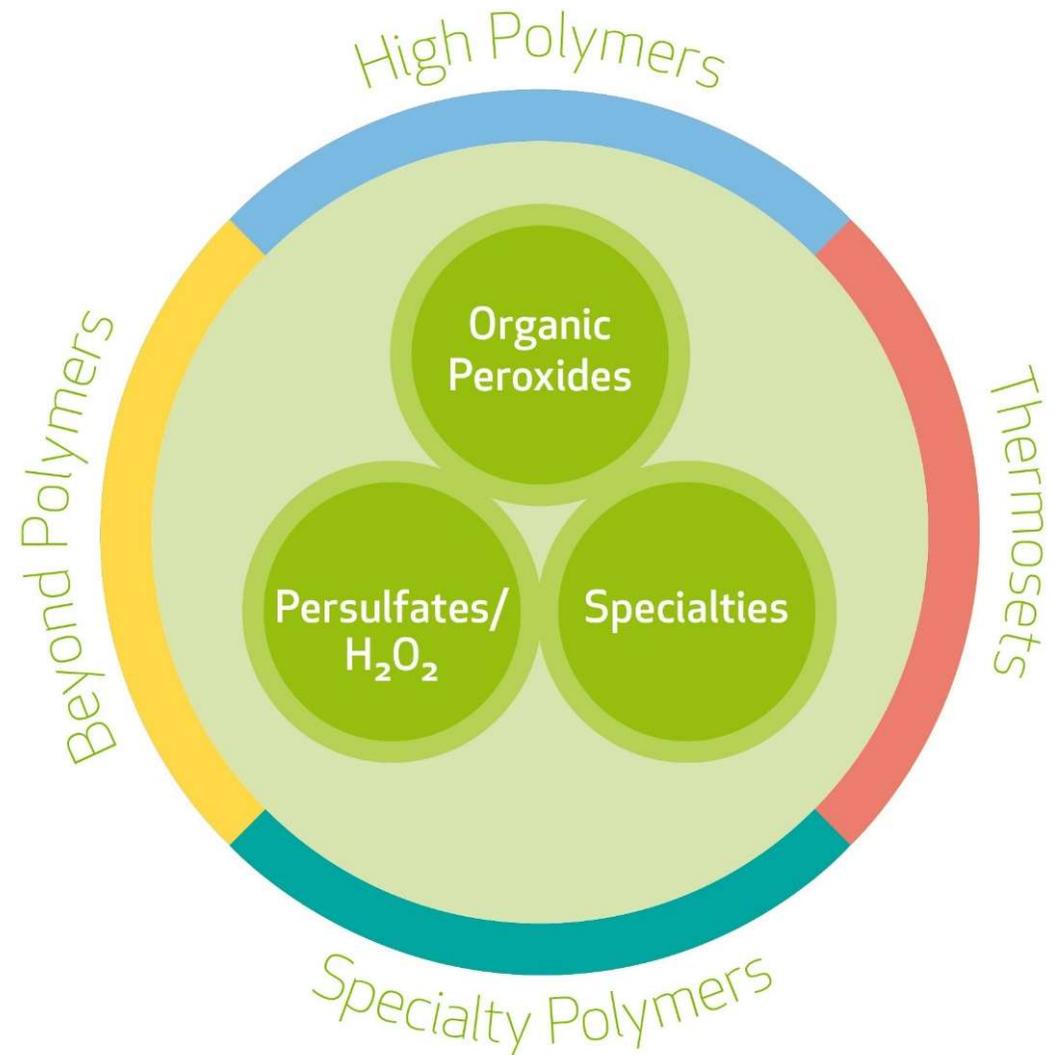
We are committed to acting in a **future-orientated** and **sustainable** manner within the meaning of the **Responsible Care Program** for the chemical industry.



UI Group - Presentation

Product World

Product
categories
&
Market
segments



UI Group - Presentation

High Polymers

LDPE

PVC

cr-PP

Polystyrene



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Specialty Polymers

Rubber

Acrylics

Dispersions

Crosslinking

Polymer Specialties



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Thermosets

Ambient Cure

Hot/Elevated Cure

BPO cure



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Beyond Polymers

Bleaching

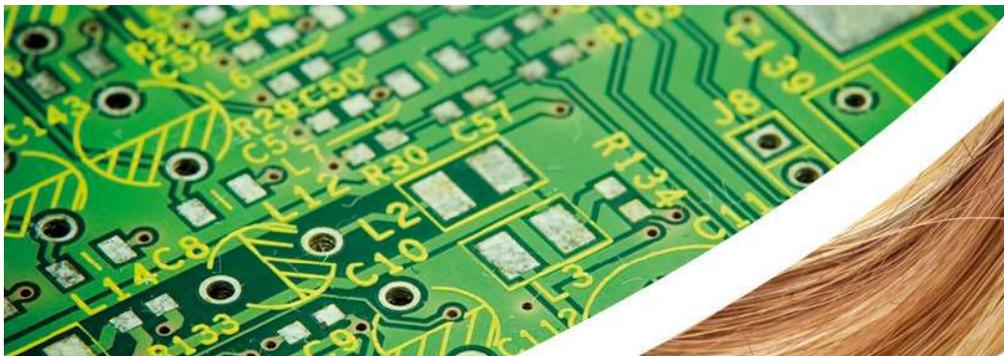
Chemical Synthesis

Disinfection

Etching & Electronics

Oil & Gas

Soil Remediation





UI SAS - Presentation

UI SAS - Presentation

Our skills/activities

- **Storage of UI organic peroxides**
=> Regional logistics hub for UI Group

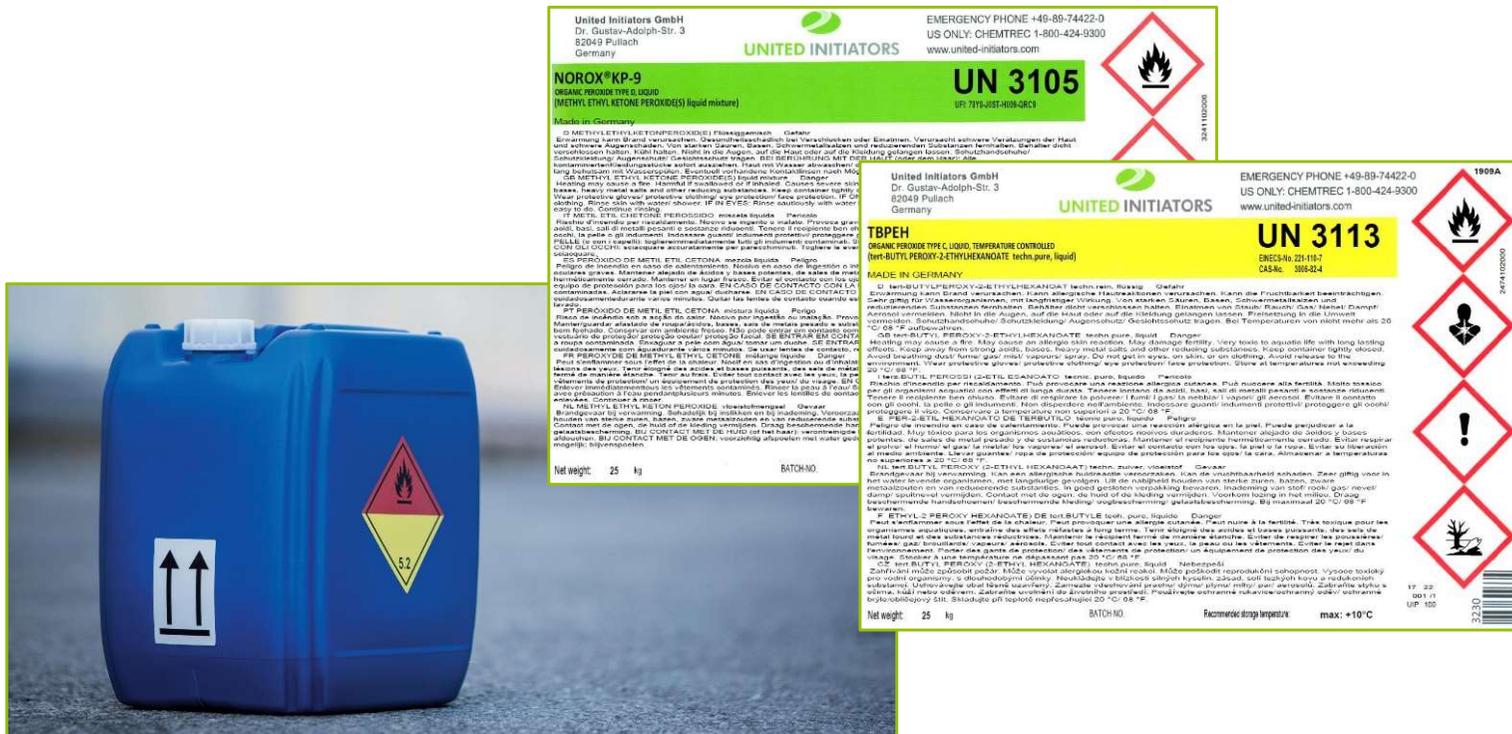




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Our skills/activities

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Our skills/activities

- **Storage of UI organic peroxides**
 - => Regional logistics hub for UI Group
- **Storage and/or distribution** (in France) of **other organic peroxides**
 - => Additional product ranges to those of UI

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- **Production and market** (mainly in Europe) of some **specialties dedicated for thermosetting resins**
=> Accelerators, Promoters & Inhibitors

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- **Storage and/or distribution** (in France) of **other organic peroxides**
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=> Accelerators, Promoters & Inhibitors
- **Business development**
Technical & Safety support (in France)

UI SAS - Presentation

Our skills/activities

- Organic peroxides from UI Group



Invoiced by
UI GmbH

Our skills/activities

- Organic peroxides from UI Group
- Storage & Logistics services related to organic peroxides
- Distribution of organic peroxides (mainly Novichem & Raichem)
- Specialty Products



Invoiced by
UI GmbH



Invoiced by
UI SAS



UI SAS - Presentation

Our small team with versatility

- General manager christophe.blaise@united-in.com
- Logistics & Production manager helene.chanliaud@united-in.com
- Logistics assistant & Order picker eric.bruley-roblot@united-in.com
- Maintenance & Construction technician thierry.default@united-in.com
- Cleaning worker
- Work-study intern

Shared emails

- For your **purchase orders** e-orders-UI-SAS@united-in.com
- For your **invoices** e-invoices-UI-SAS@united-in.com
- For all **safety and/or technical questions** contact-chalon@united-in.com

UI SAS - Presentation

QSE certifications

- ISO 9001:2015
- ISO 14001:2015



UI SAS - Presentation

QSE certifications

- ISO 9001:2015
- ISO 14001:2015
- Responsible Care®



UI SAS - Presentation

QSE certifications

- ISO 9001:2015



- ISO 14001:2015



- Responsible Care[®]



- Safety advisor for the transport of dangerous goods





UI SAS - Logistics

Site located in Burgundy

- Administrative building -
- Storage warehouse -



UI SAS - Logistics

Site located in Burgundy

- Administrative building -
- Storage warehouse -

Chemical platform with **4 entities**



ZI Chalon Sud
Route des Varennes
71100 Chalon-sur Saône

UI SAS - Logistics

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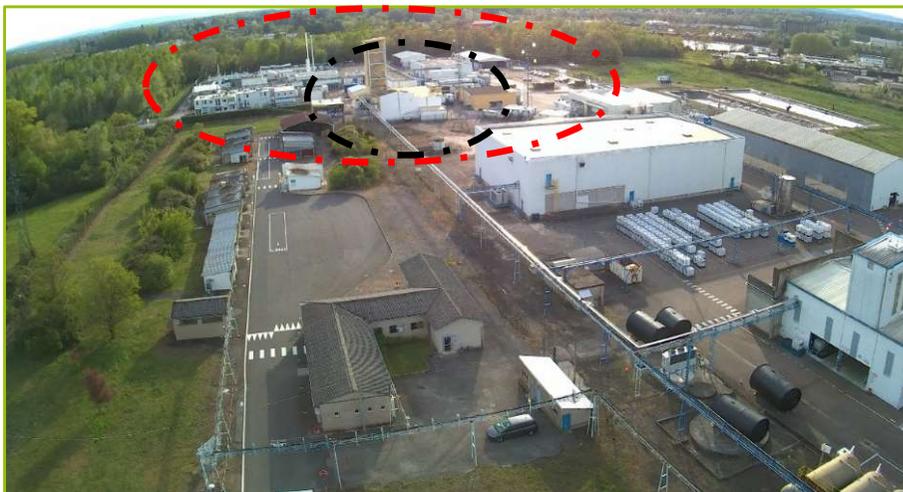
ZI Chalon Sud
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UI SAS - Logistics

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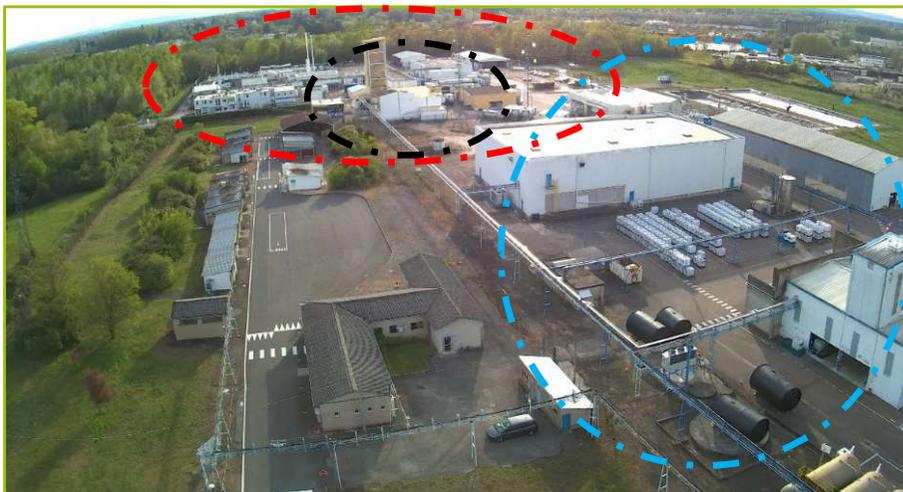
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UI SAS - Logistics

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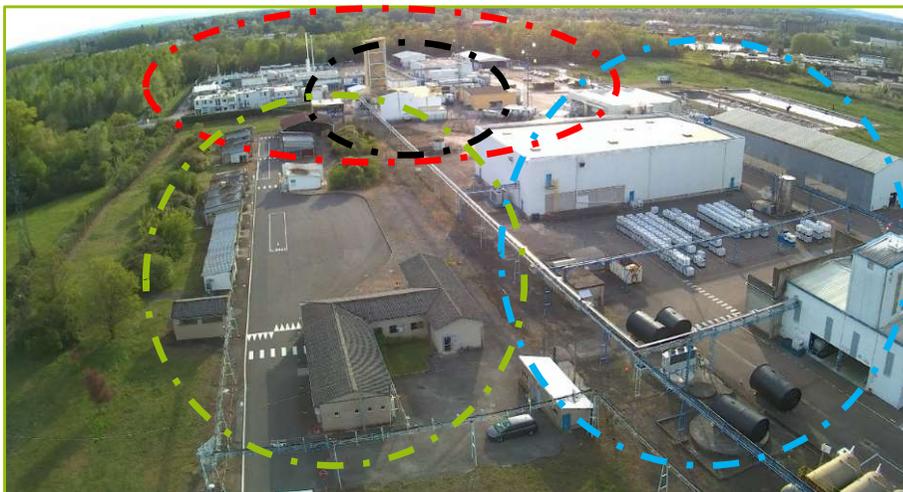
ZI Chalon Sud / Secteur A
Route des Varennes
71100 Chalon-sur Saône

UI SAS - Logistics

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Chemical platform with **4 entities**



UI SAS

ZI Chalon Sud / Secteur A
Route des Varennes
71100 Chalon-sur Saône

A unique storage warehouse in France

- Production plant from 1964 to 1998 (formerly **SCPO**)
- Site classified **Seveso III low threshold**
- Sole **warehouse in France** which has the permit to store **organic peroxides (Type C, D, E & F)** in large quantities (**143 tons**)
- **16 independent storage cells** including **6 refrigerated** (down to -20°C for the two largest)

Safety & sustainability focused

- **Live inventory update** and dispatch of the stock status every evening by email
- **Chemicals stored on retention**
(in a manner to prevent polluting products from leaking into the soil or the water network)
- **Automatic fire fighting systems** (H₂O or H₂O/CO₂)

UI SAS - Logistics

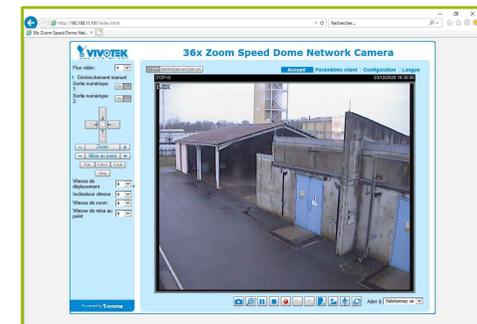
Safety & sustainability focused

- **Recording of the temperatures** of all our storage cells and remote monitoring (on PC and mobile phone)



TEMPERATURE	RELATIVE HUMIDITY	UNIT
TEMPERATURE 001	35.45 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 002	34.26 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 003	37.85 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 004	35.87 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 005	36.17 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 006	33.46 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 007	35.80 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 008	34.28 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 009	35.37 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 010	6.89 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 011	18.79 C	CONSOLE: 30.00 C (-55)>300
TEMPERATURE 012	7.78 C	CONSOLE: 5.00 C (-55)>300
TEMPERATURE 013	-8.24 C	CONSOLE: -10.00 C (-55)>300
TEMPERATURE 014	3.36 C	CONSOLE: 5.00 C (-55)>300
TEMPERATURE 015	9.28 C	CONSOLE: 5.00 C (-55)>300
TEMPERATURE 016	5.24 C	CONSOLE: 5.00 C (-55)>300
TEMPERATURE 017	-11.26 C	CONSOLE: -10.00 C (-55)>300
PRECISION 018	-4.92 h	CONSOLE: 00:00

- **Surveillance camera** (which can be viewed remotely)



- **3 types of alarm systems** (temperatures, fire fighting and site surveillance)

Safety & sustainability focused



UNITED INITIATORS

PEROXYDES ORGANIQUES

Règles de Sécurité

5.2

Manipulation

- Maintenir éloigné des sources de chaleur ou d'ignition
- Ne jamais mélanger directement avec des oxydateurs, des réducteurs, des métaux lourds, des acides ou des bases fortes
- Il est toujours préférable d'éviter tout contact avec des imprimés
- Ne jamais remettre les résidus de peroxydes ou de peroxyde non utilisés dans l'emballage d'origine
- Éviter le contact avec les yeux et la peau
- Ne pas respirer les vapeurs et/ou ne pas inhaler les poussières

Stockage

- Conserver le produit dans son emballage d'origine
- Ne pas stocker avec des matières inflammables ou incompatibles
- Maintenir le stockage à la température recommandée
- Vérifier la législation en vigueur et les exigences des assureurs

En cas d'incendie

Feux de faible importance

- Utiliser abondamment les extincteurs à poudre, à débris, des extincteurs à neige carbonique ou à mousse

Feux importants

- Appeler immédiatement les pompiers
- Isoler et évacuer la zone

Attention : le produit peut se réenflammer

- Ne pas tenter d'entrer dans la zone ou dans le bâtiment sans l'assistance de l'autorité compétente

En cas d'épandage

- Ramasser les produits solides et les stocker à part
- Absorber les liquides avec un absorbant approprié
- Les résidus de peroxydes doivent être éliminés comme des déchets industriels spéciaux

Premiers secours

En cas de contact avec les yeux

- Rincer abondamment (plusieurs minutes) avec de l'eau (éventuellement carbonatée)

En cas de contact avec la peau

- Éviter les vêtements souillés et laver abondamment à l'eau et au savon

Consulter immédiatement un médecin

Prenez grande connaissance de la SDS avant toute manipulation de peroxydes organiques
Des renseignements supplémentaires sont disponibles sur le site www.united-initiators.com et sur le site www.osppd.org

Numéro d'urgence Europe +49 89 74422 0

2017/05 Rev. 1.0

And all continuous improvement to secure the facilities and comply with environmental protection regulations...

UI SAS - Logistics

Customer focused

- Set-up of **buffer stocks**
- Preparation of **full or broken/mixed pallets**
- **Express shipments to one/several delivery points**
- **Collection and disposal of empty packaging** (only possible in France for regulatory issues)

And any **other services tailored** to our clients' needs...



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UI Group - Distribution

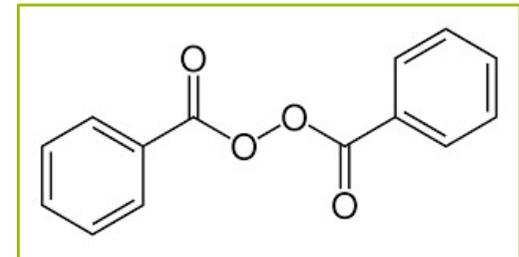
UI SAS - Distribution

Our partners



Main peroxides

- Dibenzoyl peroxide (BPO) available...
 - in powder
 - in dispersion
 - in paste



- Some very specific blends for crosslinking applications

Powdered BPO

(used as initiator for polyester and acrylate thermosetting resins)

- BPO's with phthalate: **Noviper BP 30** and **BP 50**
- Phthalate-free BPO's (new generation peroxides):
Noviper BP 30PF2 and **BP 50PF2**
- Available in multiple packages:
Mini-bags (100 g to 5 kg) and 25 kg cardboard boxes

UI SAS - Distribution

BPO in paste

(powder dissolved in a plasticizer blend to obtain a pasty or flowing product)

- Produced with customized colours and concentrations
- Available in multiple packages:
Tubes (6 to 216 kg), cartridges (7 to 200 g), 1 kg cans and 25 kg buckets



Main applications of BPO

- Road marking & Flooring
- Liquid waterproofing systems/membranes
- Decorative paints
- Bicomponent structural adhesives
- Casting & Laminating resins
- Automotive (especially the car repair)
- Marble & Stone industries
- Marine & Industrial applications



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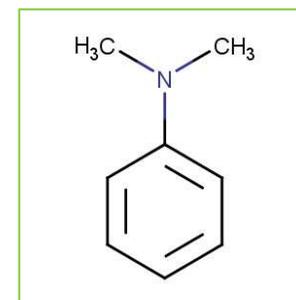
UI Group - Specialties

Cobalt accelerators (used for ketone peroxides)

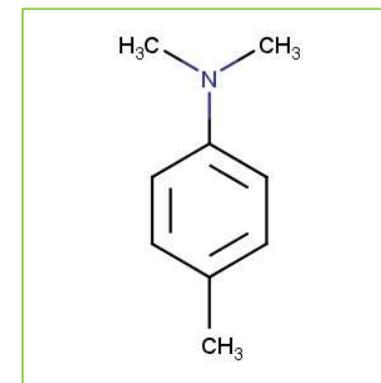
- Cobalt bis(2-ethylhexanoate) diluted in different solvents and at several concentrations:
COB 1 (XS or TX), COB 2 TX, COB 4 TX, COB 6 (TX), COB 10 and COB 12
- New generation accelerators:
Cobalt Neodecanoate 12%, POLCOB[®] 1, POLCOB[®] 5
- Other specific mixes:
Accelerator CA 12 X and POLCOB[®] A12

Amine accelerators (used in combination with BPO)

- N,N-Dimethylaniline: **DMA** and **A 305 X**



- N,N-Dimethyl-p-toluidine: **DMPT**



Promotors

(to boost cobalt-accelerated cure systems)

- Acetylacetone: **Promotor AA**
=> for orthophthalic resins in combination with peroxyesters
- N,N-Diethylacetoacetamide: **Promotor DEAA**
=> for orthophthalic or vinylester resins
- N,N-Dimethyl-p-toluidine: **DMPT**
=> for vinylester resins

Inhibitors

(to catch and destroy first radicals)

- Based on 4-tert-butylcatechol (4-TBC):
TC 501, TC 502, TC 503, TC 510 and **TC 510 X**
=> for ambient-temperature applications
- Based on 2,6-di-tert-butyl-p-cresol (BHT):
BC 500 and **BC 530**
=> for high-temperature applications

UI SAS - Specialties

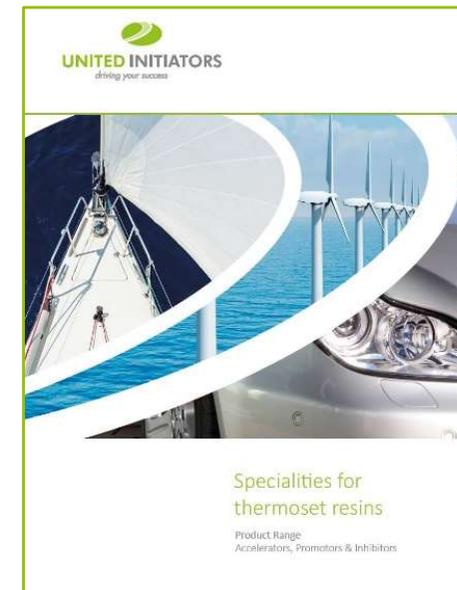
Additional information

- Products available in multiple packages:
850 g bottles, 5 kg jerricans, 25 kg cans, 200 L drums
and 1,000 L containers

- Online info



- Brochure





World class service
and reliability
in peroxide products



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