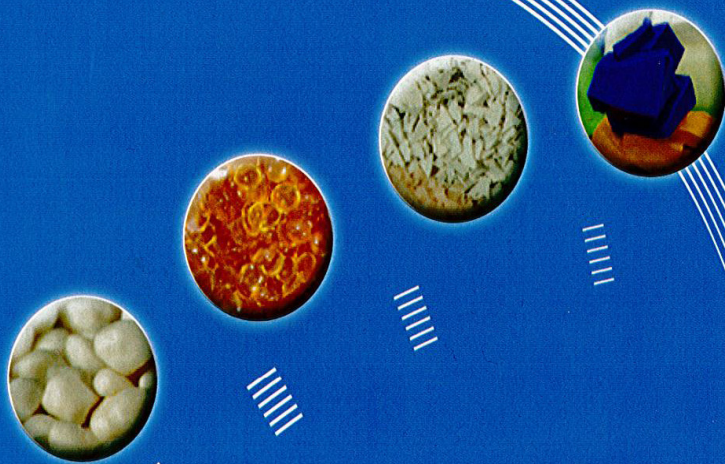


saficalcan

Performance Products



**A key player
with
manufacturing capabilities**

Products Range for Rubber & Plastics

CONTENTS

PRODUCTS FOR RUBBER

☛ AKEMSPERSE	Miscellaneous masterbatches	Page 03
☛ ALCANPLAST	Plasticizers	Page 05
☛ ALCANPOUDRE	Dry Liquids	Page 09
☛ ALCHEM	Antioxidants and Miscellaneous	Page 15
☛ OFALUB	Processing aids	Page 18
☛ SAFIBLEND	Pre-weighted sachets	Page 19
☛ SAFIBLOW	Blowing agents	Page 20
☛ SAFICOLOR	Color masterbatches	Page 21
☛ SAFIDUR	Curatives	Page 22
☛ SAFIMASK	Perfumes/Odor neutralizers	Page 23
☛ SAFTACK	Tackifying Resins	Page 24
☛ SAFIWAX	Special Waxes	Page 25
☛ VULCOFAC	Curing agents	Page 26



AKEM-SPERSE

Miscellaneous Masterbatches

SUPPLIER: SAFIC-ALCAN UK – **PACKAGING:** BOXES 25 KG

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	BINDER	FORM	APPLICATIONS
AKEM-Sperse 634-75	Zinc Dimethacrylate	75	Polymer bound	Granules	✓ Coagent for peroxide cured elastomers.
AKEM-Sperse Antimony Trioxide-87	Antimony Trioxide	87	Polymer bound	Granules	✓ Used mainly in fire retardant formulations for plastics, rubbers, textiles, paper and paints.
AKEM-Sperse CUDD-75	Copper Dimethyl dithiocarbamate	75	Polymer bound	Granules	✓ Gives very good protection against degradation due to heat ✓ Promote adhesion between rubber and plastics.
AKEM-Sperse HMT-80	Hexamethylene Tetramine	80	Polymer bound	Granules	✓ Secondary amine accelerator and adhesion promotor to bond rubber to metal.
AKEM-Sperse IS-70	Insoluble sulphur	70	Polymer bound	Granules	✓ Used as rubber vulcanizing agent.
AKEM-Sperse Litharge-90	Lead monoxide	90	Polymer bound	Granules	✓ Used mainly as activator in rubber compounding.
AKEM-Sperse MBS-80	2,4-Morpholinothio benzothiazole	80	Polymer bound	Granules	✓ Accelerator for the low sulphur vulcanization especially suitable for the applications where extended scorch safety is required.
AKEM-Sperse NDBC-75	Nickel Dibutyl dithiocarbamate	75	Polymer bound	Granules	✓ Antioxidant for ECO , CR , CSM ✓ Antiozonant for SBR and NBR

AKEM-SPERSE

Miscellaneous Masterbatches

SUPPLIER: SAFIC-ALCAN UK – **PACKAGING:** BOXES 25 KG

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	BINDER	FORM	APPLICATIONS
AKEM-Sperse OBSH-75	4,4-oxy bis benzene sulfonyl hydrazide	75	Polymer bound	Granules	✓ Blowing agent used for the manufacture of sponge and foam rubber.
AKEM-Sperse Resorcinol-80	Resorcinol	80	Polymer bound	Granules	✓ Used mainly in the manufacture of tires and rubber products as bonding agent (combined with formaldehyde and others materials to increase adhesion to steel, textiles...)
AKEM-Sperse TSH-75	Toluene sulfonyl Hydrazide	75	Polymer bound	Granules	✓ Blowing agent used for the manufacture of sponge and foam rubber
AKEM-Sperse ZDMC-80	Zinc Dimethyl dithiocarbamate	80	Polymer Bound	Granules	✓ Ultra-accelerator for natural and synthetic rubber. It is also a very fast accelerator for latex. ✓
AKEM-Sperse ZMMBI-60	Zinc methyl mercaptobenzimidazole	60	Polymer bound	Granules	✓ Used synergistically with other antioxydants for heat resistant thiuram cured goods. ✓
AKEM-Sperse ZNO RS-80	Zinc Oxide	80	Polymer bound	Granules	✓ Activator used in rubber compounds

ALCANPLAST

Best Compromise High & Low Temperature Plasticizers

PRODUCT NAME	COMPOSITION	FORM	APPLICATIONS	SUPPLIER	PACKAGING
ALCANPLAST DBEEA	Di (butyl diglycol) adipate	Liquid	<ul style="list-style-type: none"> ✓ Excellent low temperature plasticiser for NBR, CR, ACM, epichlorhydrin, HNBR and HYPALON. ✓ Due to its relatively low volatility, ALCANPLAST 188 is very effective over a broad service temperature range, ✓ Excellent compatibility with a wide range of elastomers. 	Safic-Alcan france	Drums 200 kg
ALCANPLAST 4426	Di (Butyl triglycol) adipate	Liquid	<ul style="list-style-type: none"> ✓ Excellent low temperature flexibility combined with very good permanency for Vamac, NBR, ACM, ECO, even after ageing at high temperature (150°C and more) ✓ High molecular weight monomeric plasticizer ✓ Excellent compatibility with polar elastomers 	Safic-Alcan france	Drums 200 kg
ALCANPLAST PO 80	Ether - Ester	Liquid	<ul style="list-style-type: none"> ✓ Excellent low temperature flexibility combined with very good permanency for NBR , ACM , ECO 	Safic-Alcan France	Drums 200 kg

ALCANPLAST

High Temperature Plasticizers

PRODUCT NAME	COMPOSITION	FORM	APPLICATIONS	SUPPLIER	PACKAGING
ALCANPLAST TOTM	Stabilised tri-2-ethylhexyl trimellitate	Liquid	<ul style="list-style-type: none"> ✓ High temperature plasticiser for NBR, CR, HBNR and CSM. Characterised ✓ by low volatility and good resistance to oxidation. It also demonstrates excellent ✓ resistance to extraction by water and shows extremely good migration (marring) ✓ resistance with a wide range of materials. 	Safic-Alcan France	Drums 195 kg
ALCANPLAST LTM	Stabilised trimellitate of C7-C9 linear alcohols	Liquid	<ul style="list-style-type: none"> ✓ Same characteristics as ALCANPLAST TOTM, but with advantages in processing ✓ and low temperature performance balanced by slightly lower migration resistance.. 	Safic-Alcan France	Drums 195 kg
ALCANPLAST 810 TM	Trimellitate of C8-C10 linear	Liquid	<ul style="list-style-type: none"> ✓ Same characteristics as ALCANPLAST LTM, but with better high temperature. 	Safic-Alcan France	Drums 190 kg

ALCANPLAST

Polymeric Plasticizers

PRODUCT NAME	COMPOSITION	FORM	APPLICATIONS	SUPPLIER	PACKAGING
ALCANPLAST LG	Phtalic polyester	Liquid	✓ Liquid low viscosity polyester plasticizer for PVC with very good processing properties rapid gelation and better performance than plasticizers like DOP.	Safic-Alcan Espana	Drums 190 kg
ALCANPLAST POL-100	Propylene glycol polysebacate	Liquid	✓ Medium-high viscosity plasticizer, Specially recommended in polar rubber (NBR - PVC)	Safic-Alcan Espana	Drums 200 kg
ALCANPLAST POL-200	Adipic polyester	Liquid	<ul style="list-style-type: none"> ✓ Medium viscosity saturated polyester that gives excellent results used as plasticizer for PVC. ✓ Particularly resistant to migration into the adhesive substratum, ABS and polystirene ✓ polymers, and also exhibits good flexibility at low temperatures. 	Safic-Alcan Espana	Drums 200 kg
ALCANPLAST POL-300	Adipic polyester	Liquid	<ul style="list-style-type: none"> ✓ Medium-high viscosity saturated polyester that gives excellent results used as plasticizer for PVC and for polar synthetic rubbers. ✓ Specially recommended to obtain sheets and films by calendering with high mechanical performances. 	Safic-Alcan Espana	Drums 200 kg
ALCANPLAST POL-400	Adipic polyester	Liquid	<ul style="list-style-type: none"> ✓ Medium - low viscosity saturated polyester that gives excellent results used as plasticizer for PVC, and for polar rubbers. ✓ Particularly resistant to extraction by oils and soapy waters and also exhibits good ✓ flexibility at low temperatures. 	Safic-Alcan Espana	Drums 200 kg
ALCANPLAST POL-500	Adipic polyester	Liquid	✓ Low viscosity saturated polyester that gives excellent results used as plasticizer for Acrylics.	Safic-Alcan Espana	Drums 200 kg

ALCANPLAST

Miscellaneous Plasticizers

PRODUCT NAME	COMPOSITION	FORM	APPLICATIONS	SUPPLIER	PACKAGING
ALCANPLAST AP 1	Mixture of esters	Liquid	<ul style="list-style-type: none"> ✓ Antistatic plasticiser particularly for NBR and CR compounds, ✓ ALCANPLAST AP 1 induces the creation of a thin layer which reduces surface, electrical resistance. 	Safic-Alcan Espana	Drums 190 kg
ALCANPLAST BGF	Di-butoxyethoxyethyl formal (Butyl carbitol formal)	Liquid	<ul style="list-style-type: none"> ✓ Plasticizer for extreme low temperature requirements (particularly for NBR and CR) ✓ ALCANPLAST BGF also provides resistance to fungal attack 	Safic-Alcan Espana	Drums 195 kg
ALCANPLAST DOA	Di-2-ethylhexyl adipate	Liquid	<ul style="list-style-type: none"> ✓ Efficient low temperature plasticiser for nitrile (NBR) and polychloroprene (CR) 	Safic-Alcan france	Drums 180 kg
ALCANPLAST DOS	Di-2-ethylhexyl sebacate	Liquid	<ul style="list-style-type: none"> ✓ Efficient low temperature plasticiser for all naturel and synthetic rubbers 	Safic-Alcan France	Drums 185 kg
ALCANPLAST BUTYL OLEATE	Isobutyl oleate	Liquid	<ul style="list-style-type: none"> ✓ Plasticizer for low temperatures requirements (mainly polychloroprene CR) 	Safic-Alcan France	Drums 180 kg
ALCANPLAST R 65	Triaryl phosphate	Liquid	<ul style="list-style-type: none"> ✓ Plasticizer with flame retardant activity 	Safic-Alcan France	Drums 230 kg
ALCANPLAST R 95	Triaryl phosphate	Liquid	<ul style="list-style-type: none"> ✓ Plasticizer with flame retardant activity 	Safic-Alcan France	Drums 230 kg

ALCANPOUDRE

Dry Liquids

All liquid ingredients are difficult to incorporate in standard rubber mixing operation.

"Dry liquids" are liquids adsorbed on highly porous silica or silicate powder and the resultant product is a free flowing powder, even with 70 or 75% liquid.

You never have to handle highly viscous or tacky products and never have to heat or manage drums.

This presentation avoids losing some materials in the bottom of the drums.

The dosage is easier.

The safety of the operator is also improved, all the more so because they are pre-weighted.

You have also, in some cases, a shorter mixing time.

Usual carrier : silica

Other carriers available : carbon black , calcium silicate

"F" : indicates a carbon black carrier

"C" : indicates a calcium silicate carrier

You can request custom products

It is also possible to ask for "dry blended liquids"

ALCANPOUDRE

Silanes - Coupling agents

SUPPLIER: SAFIC-ALCAN UK – **PACKAGING:** BAGS / BOXES 20 KG

PRODUCT NAME	ACTIVE INGREDIENTS	% ACTIVE INGREDIENTS	APPLICATIONS
ALCANPOUDRE 69-70	Bis (3-triethoxysilylpropyl) tetrasulfide	70	✓ Coupling agent and reinforcing agent for sulfur cured compounds (especially) for tires and shoe soles formulations)
ALCANPOUDRE 172-70	Vinyl tris (2-methoxyethoxy) silane	70	✓ Coupling agent in white mineral-filled compounds for peroxide cured rubber (especially recommended for EPDM cable formulations)
ALCANPOUDRE 189-70	Gamma-Mercaptopropyltrimethoxy silane	70	✓ Coupling agent for sulphur or metallic oxide cured rubbers (more effective than Si69 and more scorchy in final mixes)
ALCANPOUDRE A 1100-70	Gamma-Aminopropyltriethoxy silane	70	✓ Coupling agent based on a bifunctional amine which can be used in Vamac, EVA, aqueous formulations.

POSSIBILITY TO MAKE DRY LIQUIDS BASED ON ANY KIND OF LIQUID SILANES

- *Gamma-Glycidoxypropyltrimethoxy silane (A 187 - GLYMO)*
- *Gamma-Methacryloxypropyltrimethoxy silane (A 174 – GMEMO)*
- *Vinyl triethoxy silane (A 151 – VTEO)*
- *Vinyl trimethoxy silane (A 171 – VTMO)*

ALCANPOUDRE

Co-Agents

SUPPLIER: SAFIC-ALCAN UK – **PACKAGING:** BAGS / BOXES 20 KG

PRODUCT NAME	ACTIVE INGREDIENTS (Examples of trade name)	% ACTIVE INGREDIENTS	APPLICATIONS
ALCANPOUDRE AH-70	Liquid polybutadiene (Lithene AH)	70	✓ Coagent and processing aid for peroxide cured rubber (especially recommended for EPDM formulations)
ALCANPOUDRE EGDMA-70	Ethylene glycol dimethacrylate (SR 206)	70	✓ Difunctional methacrylate coagent for peroxide cured rubbers (especially recommended in light and dark EPDM and CM compounds)
ALCANPOUDRE Saret 517-70	Trifunctional monomer (Saret 517)	70	✓ Trifunctional methacrylate coagent which contains non-nitrosamine inhibitor creating scorch retarder package (especially recommended in EPDM, NBR compounds for rubber rollers, radiator hoses, profiles and cables...)
ALCANPOUDRE TMPTMA-70	Trimethylolpropane trimethacrylate (SR 350)	70	✓ Trifunctional methacrylate coagent for peroxide cured rubbers; it offers a better compression set than Alcanpoudre Saret 517-70 or Alcanpoudre Saret 519-70 (especially recommended in non polar rubber like EPDM, NBR, CSM...)

POSSIBILITY TO MAKE DRY LIQUIDS BASED ON ANY KIND OF LIQUID SILANES

- *Liquid Polybutadiene (PB 3000),*
- *Trifunctional monomer (Saret 500, Saret 519),*
- *1,4 butanediol dimethacrylate (SR 214),*
- *Diethylene glycol dimethacrylate (SR 231),*
- *1,3 butylene glycol dimethacrylate (SR 297),*
- *Ethoxylated bisphenol A diacrylate (SR 349),*
- *Trimethylolpropane trimethacrylate (SR 350),*
- *Dipentaerythritol penta acrylate (SR 399),*
- *Trifunctional monomer (Saret 515, Saret 521, Saret 1110, Saret 1116, Saret 1117)*

ALCANPOUDRE

Antioxidants

PRODUCT NAME	ACTIVE INGREDIENTS (Examples of trade name)	% ACTIVE INGREDIENTS	APPLICATIONS
ALCANPOUDRE 77-70	N,N' (1.4-dimethyl pentyl) phenylenediamine-77 PD	70	✓ Amine based antioxidant used to protect natural and synthetic elastomer compounds, especially in static applications for NR, SBR, BR...
ALCANPOUDRE 688-70	Phenylene diamine (UOP 688)	70	✓ Antioxidant and antiozonant which possess very good antiflex cracking properties and also a very good resistance for the extraction of water.
ALCANPOUDRE 1520-70	Tri (mono/dinonylphenyl) phosphite (TNPP)	70	✓ Antioxidant which is usually associated with phenolic antioxidant and it inhibits discoloration of the polymer caused by some phenolic antioxidants.
ALCANPOUDRE BLW-70	Diphenylamine-acetone extract (BLE 25)	70	✓ Antioxidant with a high level of flex resistance and which is non blooming, especially recommended in dark coloured compounds due to its staining properties.

ALCANPOUDRE

Tackifiers

PRODUCT NAME	ACTIVE INGREDIENTS (Examples of trade name)	% ACTIVE INGREDIENTS	APPLICATIONS
ALCANPOUDRE AD 15-70	Tackifier (Nevchem AD 15)	70	✓ Highly viscous hydrocarbon resin used to improve the processing characteristics and tach of CR, CSM, EPDM, IIR, NBR, SBR, NR.
ALCANPOUDRE PLCT-70	Pale liquid coumaron tackifier	70	✓ Dispersing and tackifying agent which improves the tack of rubber like NR, SBR, BR, EPDM; low softening point
ALCANPOUDRE PT-70	Pine tar	70	✓ Tackifier for rubber compounds.

ALCANPOUDRE

Miscellaneous

SUPPLIER: SAFIC-ALCAN UK – **PACKAGING:** BAGS / BOXES 20 KG

PRODUCT NAME	ACTIVE INGREDIENTS (Examples of trade name)	% ACTIVE INGREDIENTS	APPLICATIONS
ALCANPOUDRE 10-70	Polybutene (Indopol H100)	70	✓ Isobutylene/butene copolymer used as tackifier at high concentration or as plasticizer at low concentration in non polar rubber (SBR, EPDM, IR, BR, NR...)
ALCANPOUDRE 828-70	Epoxy resin (Epikote 828)	70	✓ Epoxy resin used in CSM formulations in the replacement of the lead oxide system.
ALCANPOUDRE 1312-70	Liquid butadiene acrylonitrile polymer (Nipol 1312)	70	✓ Non extractable plasticizer based on a low molecular weight NBR liquid; especially recommended in CR, NBR for rubber rollers, timing belt and sponge formulations.
ALCANPOUDRE DBU-70	1,8 diazabicyclo undedene 7	70	✓ Curative for PU, activator in rubber industry
ALCANPOUDRE LP 31-70	Liquid Polysulfid Polymer	70	✓ Liquid polysulfide used in the NBR and CR formulations for off-set printing blanket.
ALCANPOUDRE RRP	Resorcinol based bonding agent		✓ Bonding agent based on resorcinol, hexamethylolmelamine blend and mainly used for bonding rubber-textile.

POSSIBILITY TO MAKE DRY LIQUIDS BASED ON ANY KIND OF LIQUID SILANES

- ☛ *Tetrabutylthiuram disulfide (TBUT)*
- ☛ *Tributyl thiourea, Chlorinated paraffin (TRIBTU)*
- ☛ *Hexa methoxy methyl melamine (HMMM)*
- ☛ *Petrolatum Jelly*
- ☛ *Triethanolamine (TEA)*
- ☛ *Zinc Dibutyl Dithiophosphate (ZBPD)*
- ☛ *Chlorinated paraffin (C48)*

ALCANPOUDRE

Plasticizers

SUPPLIER: SAFIC-ALCAN UK – **PACKAGING:** BAGS / BOXES 20 KG

PRODUCT NAME	ACTIVE INGREDIENTS (Examples of trade name)	% ACTIVE INGREDIENTS	APPLICATIONS
ALCANPOUDRE 2280-70	Highly Refined Mineral Paraffinic Oil	70	✓ Paraffinic oil used as plasticizer in NR, IR, EPDM compounds.
ALCANPOUDRE DINP-70	Di isononyl phthalate	70	✓ Phthalate plasticizer used in polymer and rubber industry

POSSIBILITY TO MAKE DRY LIQUIDS BASED ON ANY KIND OF LIQUID SILANES

- ☛ *Phthalates (DOP, DIDP, DBP...)*
- ☛ *Mineral oils (aromatic oils, naphthenic oils, paraffinic oils)*
- ☛ *Trimellitates (TOTM, 7/9 TM, 8/10 TM...)*
- ☛ *Polymeric plasticizers (polyester adipates, polyester sebaçates...)*

ALCHEM ANTIOXIDANTS

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	FORM	APPLICATIONS	SUPPLIER	PACKAGING
ALCHEM BHT	2,6-diterbutyl-4-methylphenol	100	Powder ✓	Antioxidant for NBR, SBR, SR	Safic-Alcan France	Bags 25 kg
ALCHEM EW 100	Diaryl-p-phenylenediamines mixture	100	Powder ✓	Used as antiozonant, antioxidant and antiflex cracking agent for synthetic rubber (ex: CR)	Safic-Alcan France	Bags 25 kg
ALCHEM MBPA	4,4-bis (1,1-dimethyl-benzene) dihydrophenylamine	100	Powder ✓	Heat resistant (slightly staining) antioxidant	Safic-Alcan France	Bags 25 kg
ALCHEM MMBI	Methyl-2 mercaptobenzimidazole	100	Powder ✓	Antioxidant used for NR, IR, BR, SBR, NBR	Safic-Alcan France	Bags 25 kg
ALCHEM OMB	2,2-methylene bis (4-methyl-6-tert-butylphenol)	100	Powder ✓	Antioxidant used in synthetic rubber (SBR, BR, IR, NBR), latices stabilizing agent in polyacetates, ABS	Safic-Alcan France	Bags 25 kg

ALCHEM ANTIOXIDANTS

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	FORM	APPLICATIONS	SUPPLIER	PACKAGING
ALCHEM TBM	4,4-thio bis (2-ter butyl 5 methylphenol)	100	Powder ✓	Antioxidant used PP, ABS, PVC, EPDM and polybutadiene mainly for water and gas pipes.	Safic-Alcan France	Bags 25 kg
ALCHEM TMQ ALCHEM TMQ G2	2,2,4-trimethyl-1,2-dihydroquinoline	100 100	Powder ✓ Granules	Staining antioxidant which provides oxidation protection to nearly all elastomer types.	Safic-Alcan UK	Bags 15 kg
ALCHEM WS	Mixed styrenated phenols	100	Liquid ✓	Non staining antioxidant for use in natural, synthetic rubbers and lattices.	Safic-Alcan France	Bags 50 kg
ALCHEM W29	Mixed para oriented styrenated diphenylamine	100	Liquid ✓	Antioxidant used in the protection of medium and high voltage polyethylene cables. It is also used in rubber compounds such as belts and tyres.	Safic-Alcan France	Bags 25 kg
ALCHEM ZMMBI	Zinc methyl mercaptobenzimidazole	100	Powder ✓	Used synergistically with other antioxydants for heat resistant thiuram cured goods.	Safic-Alcan UK	Bags 10 kg

ALCHEM *MISCELLANEOUS*

SUPPLIER: SAFIC-ALCAN FRANCE – **PACKAGING:** BAGS 25 KG

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	FORM	APPLICATIONS
ALCHEM CTPI	N – (Cyclohexylthio) phthalimide	100	Powder	✓ Inhibitor, retarder which provides scorch control in most of sulfur cured rubbers.
ALCHEM CTPI-50		50	Granules	
ALCHEM CTPI-80		80	Granules	
ALCHEM DPG	Diphenylguanidine	100	Powder	✓ Accelerator in NR, NBR, SBR and other elastomers.
ALCHEM PEG 4000	Polyethylene Glycol	100	Solid	✓ Activator for rubber

OFALUB

Processing Aids

PRODUCT NAME	COMPOSITION	FORM	APPLICATIONS	SUPPLIER	PACKAGING
OFALUB EBS	Ethylene bis stearamide	Powder	✓ Lubricant for rubber and plastics (PE, PP, PVC)	Safic-Alcan France	Boxes 25 kg
OFALUB ECD	Erucamide	Beads	✓ Slip agent and anti-blocking agent for plastics	Safic-Alcan France	Bags 25 kg
OFALUB OMD	Oleamide	Beads	✓ Slip agent for plastics	Safic-Alcan France	Bags 25 kg
OFALUB SAC	Stearic Acid	Flakes	✓ Processing aid for rubber	Safic-Alcan France	Bags 50 kg
OFALUB SEO	Alkyl phosphate ester	Pastilles	<ul style="list-style-type: none"> ✓ Processing aid for Ethylene/acrylate copolymers formulation and other highly tacky elastomers. ✓ To be used together with stearylamine and stearic acid in VAMAC[®] and ACM. 	Safic-Alcan France	Boxes 25 kg
OFALUB SMS	Sorbitan Monostearate	Pastilles	✓ Processing aid for epichlorhydrin elastomers formulation.	Safic-Alcan France	Boxes 25 kg
OFALUB STA	Stearylamine	Flakes	✓ Processing aid for ethylene/copolymers formulation and other highly tacky elastomers.	Safic-Alcan UK	Boxes 25 kg

SAFIBLEND

Pre-Weighted Sachets

Customised blends of “powder”, “liquids” or “granules” chemical additives (curatives, antidegradants, waxes, zinc oxide...) weighted into low melt sachets to specified tolerances.

Help to reduce overall costs

- ❖ Increased productivity
 - ✓ Reduced customer weighting
 - ✓ Reduction in scrap/re-work
 - ✓ Reduction in mixing operation
- ❖ Reduced waste disposal
 - Packaging waste obligations reduced (Legislation)
- ❖ Reduced supplier base

Help to meet the Health Safety and Environmental obligations

- ❖ Employees no longer handle hazardous chemicals
- ❖ Dust free working environment

Improve confidentiality

- ❖ Zero exposure of sensitive formulations to employees or outsiders
- ❖ Pre weighted chemical blends contain proprietary chemicals in proprietary ratios

SAFIBLOW

BLOWING AGENT

PRODUCT NAME	APPEARANCE	CHEMICAL COMPOSITION	%	Decomposition temperature	SUPPLIER	PACKAGING
SAFIBLOW ADC HH 180	Powder	Azodicarbonamide	82 - 88	142-154°C	Safic-Alcan France	20 kg box
SAFIBLOW ADC / M-C1	Powder	Azodicarbonamide	> 97	≥ 200 °C	Safic-Alcan France	20 kg box
SAFIBLOW ADC / L-C2	Powder	Azodicarbonamide	100	≥ 200 °C	Safic-Alcan France	20 kg box
SAFIBLOW ADC / S-C2	Powder	Azodicarbonamide	100	≥ 200 °C	Safic-Alcan France	20 kg box
SAFIBLOW DNPT	Light Yellow powder	- Dinitroso pentamethylene tetramine - Calcium Carbonate - Paraffinic oil	75 20 5		Safic-Alcan France	Drums 40 kg

SAFICOLOR

COLOR MASTERBATCHES

SUPPLIER: SAFIC-ALCAN FRANCE – **PACKAGING:** BOXES 20 KG

PRODUCT NAME	PIGMENT COLOR INDEX	% ACTIVE INGREDIENT	BINDER	FORM
SAFICOLOR R103	Red PR 53:1	50	SBR 1502	Slab
SAFICOLOR R117	Red PR 48:3	50	SBR 1502	Slab
SAFICOLOR R202	Orange PO:16	50	SBR 1502	Slab
SAFICOLOR R316	Yellow PY:13	50	SBR 1502	Slab
SAFICOLOR R704	Violet PV:23	40	SBR 1502	Slab
SAFICOLOR R421	Green PG:7	50	SBR 1502	Slab
SAFICOLOR R512	Blue PB:15	50	SBR 1502	Slab

Applications

Color additives on a polymer binder (SBR) used in rubber compounds (NR, SBR, EVA...) for shoe soles, toys...

SAFIDUR

Special Curing Agents For Polyurethane & Rubbers

SUPPLIER: SAFIC-ALCAN FRANCE

PRODUCT NAME	APPEARANCE	CHEMICAL COMPOSITION	%		APPLICATIONS	PACKAGING
SAFIDUR TM 93	Yellow-green or red-brown to dark violet liquid	Triphenylmethane -4,4'4"-triisocyanate in ethyl acetate	100	✓	Curing agent for adhesives based on hydroxyl containing polyurethanes or natural or synthetic rubbers.	Dums 40 kg
SAFIDUR TP 72	Clear yellow liquid	Tris-(4-isocyanatophenyl) thiophosphate in ethyl acetate	100	✓	Curing agent for adhesives based on hydroxyl containing polyurethanes or natural or synthetic rubbers.	Drums 40 kg
				✓	Shows good bonding strength to PVC (even strongly plasticized), oil extended SBR and leather coatings.	

SAFIMASK

Perfumes / Odor Neutralizers

SUPPLIER: SAFIC-ALCAN ANCE – **PACKAGING:** DRUMS 25 KG

PRODUCT NAME	FORM
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Perfumes Reodorant Products

SAFIMASK Lavender	Liquid
SAFIMASK Pine	Liquid
SAFIMASK Strawberry	Liquid
SAFIMASK Vanilla	Liquid
SAFIMASK Leather	Liquid

Odor Neutralizers

SAFIMASK AX	Hydrosoluble Liquid
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Applications

✓ Rubber , plastic , coating , water treatment , detergency , cosmetic

- ☞ Toll manufactured mixture
- ☞ Blend of natural or synthetic perfumes in solvent or aqueous phase

Non exhaustive list

POSSIBILITY TO MAKE OTHER SAFIMASK

SAFIMASK Grape-Fruit, Lemon, Green Apple, Orange, Peach, Mimosa, Menthol, Eucalyptus ...

SAFITACK

Tackifying Resins

SUPPLIER: SAFIC-ALCAN FRANCE – **PACKAGING: BAG 25 KG**

PRODUCT NAME	CHEMICAL DESCRIPTION	FORM	APPLICATIONS	PACKAGING
SAFITACK C5	C5 hydrocarbon resin	Granule	Aliphatic resin used as Tackifier/processing aid for rubber.	25 kg bag
SAFITACK C9	C9 hydrocarbon resin	Flake	Aromatic resin used as Tackifier/processing aid for Rubber.	25 kg bag

SAFIWAX

Special Wax

PRODUCT NAME	APPEARANCE	CHEMICAL COMPOSITION	APPLICATION	SUPPLIER	PACKAGING
SAFIWAX RICE BRAN	Granule	Rice Bran Wax	✓ Processing aid for FKM	Safic-Alcan France	25 kg bag

VULCOFAC

CURING AGENT

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	FORM	APPLICATIONS	SUPPLIER	PACKAGING
VULCOFAC HDC	Hexamethylene diamine carbamate	100	Powder	✓ Blocked diamine usable for vulcanization of elastomers reacting with amines such as ethylene acrylate elastomers (VAMAC), bromobutyl, fluorinated rubbers, epichlorhydrins...	Safic-Alcan France	Drums 30 kg
VULCOFAC HDC MB 75		75	Masterbatch			Boxes 25 kg
CURATIVE HMDC DF		98	Dust free powder	✓ The most currently used proportions are in the range of 0.8 to 2 pcr, depending on the expected final properties of cured part.		Drums 30 kg
VULCOFAC DDA	Dodecanediamine	100	Flakes	✓ Diamine used as crosslinker for amine curing elastomers such as ethylene acrylate elastomers (VAMAC). Compared with Vulcofac HDC , the association Vulcofac DDA with Vulcofac HD-imine, improves significantly the demolding of compounds but has a negative effect on compression set.	Safic-Alcan France	Drums 85 kg
VULCOFAC HD-IMINE	N,N' dicinnamylidene 1,6 hexanediamine	100	Powder	✓ Blocked diamine crosslinking agent used in fluorocarbon (FKM), ethylene acrylate copolymers and epichlorhydrins. Safer processing than Vulcofac HDC but in general vulcanizate properties are not as good as those obtained with HDC	Safic-Alcan France	Drums 25 kg
VULCOFAC 13 PDM	N,N' (n-phenylene) dimaleimide	100	Powder	✓ Primary curative for Hypalon synthetic rubber yielding good processing safety and stability, excellent compression set and oil resistance.	Safic-Alcan UK	Boxes 25 kg
VULCOFAC 13 PDM MB 70		70	Granules	<ul style="list-style-type: none"> ✓ Secondary accelerator and cure promoter in sulfur or sulfur donor curing system for HYPALON, improves state of cure in heat resistant compounds. ✓ Improves electrical properties of HYPALON cured with sulfur donor curing system. ✓ Coagent for peroxide curing system CSM, EPDM, CPE, VAMAC 		

VULCOFAC

CURING AGENT

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	FORM	APPLICATIONS	SUPPLIER	PACKAGING
VULCOFAC CP 3441	Phosponium salt	70	Powder	<ul style="list-style-type: none"> ✓ Cure system used for the vulcanization of epichlorhydrins and fluoroelastomers... ✓ Lead free curing system 	Safic-Alcan UK	Boxes 20 kg
VULCOFAC NAC	Sodium Carbonate	100	Powder		Safic-Alcan France	Drums 30 kg
VULCOFAC BPS	Bisphenol S	100	Powder		Safic-Alcan France	Drums 25 kg
VULCOFAC TZ MB 70	2,4,6-trimercapto – s - triazine	70	Masterbatch	<ul style="list-style-type: none"> ✓ Curing agent for ECO and ACM ✓ It improves heat resistance ✓ It offers a safe curing system alternative to Pbo/ETU 	Safic-Alcan France	Drums 30 kg
VULCOFAC HYTAL	Hydrotalcite	100	Powder	<ul style="list-style-type: none"> ✓ Curing agent used in replacement of lead oxide in chlorinated elastomers (CSM, ECO...) 	Safic-Alcan France	Bag 20 kg

VULCOFAC ACTIVATORS

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	BINDER	FORM	APPLICATIONS	SUPPLIER	PACKAGING
VULCOFAC ACT 55	Blocked tertiary amine complex	70	Silica	Powder	<ul style="list-style-type: none"> ✓ Tertiary amine complex (absorbed on silica carrier) which acts as activator for rubber compounds (mainly ethylene acrylate copolymers, vamac) in replacement of DOTG ✓ The most currently used proportions are in the range of 1,5-2 pcr. The efficiency of catalytical effect seems to be higher than the usual activators 	Safic-Alcan UK	Boxes 20 kg
VULCOFAC F45	Calcium hydroxide	100		Powder	<ul style="list-style-type: none"> ✓ Crosslinking activator for fluoro-elastomers 	Safic-Alcan France	Boxes 20 kg
VULCOFAC PDHP-80	3,5-diethyl 1,2-dihydro 1-phenyl 2-propylpyridine	80		Liquid	<ul style="list-style-type: none"> ✓ Activator for acidic accelerators. Used as a secondary accelerator in CPE. 	Safic-Alcan France	Boxes 20 kg
VULCOFAC TAC VULCOFAC TAC-50 VULCOFAC TAC-70	Triallyl cyanurate	100 50 70	Silica Silica	Liquid Powder Powder	<ul style="list-style-type: none"> ✓ Crosslinking enhancer for organic peroxide curing (EPDM, VAMAC, CPE, PO...) 	Safic-Alcan UK	Bags 20 kg
VULCOFAC TAIC VULCOFAC TAIC-50 VULCOFAC TAIC-70	Triallyl isocyanurate	100 50 70	Silica Silica	Liquid Powder Powder	<ul style="list-style-type: none"> ✓ Crosslinking agent for peroxide cured elastomers (FKM, EVA, CPE...) 	Safic-Alcan UK	Bags 20 kg
VULCOFAC TIBTD	Tetra isobutyl thiuram disulfide	100		Granule	<ul style="list-style-type: none"> ✓ Ultra accelerator for EPDM, SBR, NBR, NR 	Safic-Alcan France	Bags 25 kg

VULCOFAC

Nitrosamine Free Accelerator / Nitrosamine Safe Accelerator

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	BINDER	FORM	APPLICATIONS	SUPPLIER	PACKAGING
VULCOFAC CLD MB 80	Caprolactam Disulfide	80	Elastomer bound	Granules	<ul style="list-style-type: none"> ✓ Nitrosamine free sulfur donor for natural and synthetic rubber, with reversion resistant goods. ✓ Good aging characteristics and good compression set. 	Safic-Alcan UK	Bags 25 kg
VULCOFAC ZDTP-75	Zinc-dialkyl dithiophosphate	75	Silica	Microgranulate	<ul style="list-style-type: none"> ✓ Nitrosamine free, non discolouring accelerator for EPDM and diene-rubbers. ✓ Easily replaces generators or highly toxic nitrosamines such as thiurams and carbamates. Used as a primary accelerator in conjunction with sulfenamides and/or thiazoles. Can be used in conjunction with sulfur donor Vulcofac CLD MB 80. 	Safic-Alcan UK	Boxes 25 kg
VULCOFAC ZDTP		100		Liquid		Safic-Alcan UK	Boxes 25 kg
VULCOFAC ZAP	Zinc dithiophosphate amine complex		Silica	Powder	<ul style="list-style-type: none"> ✓ Nitrosamine free accelerator for EPDM and other diene rubbers. 	Safic-Alcan UK	Boxes 25 kg

VULCOFAC

MISCELLANEOUS

PRODUCT NAME	CHEMICAL DESCRIPTION	% ACTIVE INGREDIENT	BINDER	FORM	APPLICATIONS	SUPPLIER	PACKAGING
VULCOFAC MBI MB 80	2-mercaptobenzimidazole	80	Elastomer bound	Granules	<ul style="list-style-type: none"> ✓ Non-staining antioxidant. ✓ Gives very good protection against degradation due to heat 	Safic-Alcan UK	Bags 25 kg

PRODUCTS INDEX

<i>Chemical name</i>	<i>Trade name</i>	<i>Page</i>
1,3 butylene glycol dimethacrylate	ALCANPOUDRE SR 297	Page 11
1,4 butanediol dimethacrylate	ALCANPOUDRE SR 214	Page 11
1,8 diazabicyclo undedene 7	ALCANPOUDRE DBU-70	Page 13
2,2,4-trimethyl-1,2-dihydroquinoline	ALCHEM TMQ/TMQ 2	Page 16
2,4,6-trimercapto-s-triazine	VULCOFAC TZ MB 70	Page 27
2,4-Morpholinothio benzothiazole	AKEM-Sperse MBS-80	Page 03
2,6-diterbutyl 4methylphenol	ALCHEM BHT	Page 15
2-2-methylene bis (4-methyl 6 ter-butylphenol)	ALCHEM OMB	Page 15
2-mercaptobenzimidazole	VULCOFAC MBI MB 80	Page 30
3,5-diethyl 1,2-dihydro 1-phenyl 2-propylpyridine	VULCOFAC PDHP-80	Page 28
4,4-bis (1,1-dimethyl-benzene) dihydrophenylamine	ALCHEM MBPA	Page 15
4,4-oxy bis benzene sulfonyl hydrazide	AKEM-Sperse OBSH-75	Page 04
4,4-thio bis (2-ter butyl 5 methylphenol)	ALCHEM TBM	Page 16
Adipic Polyester	ALCANPLAST POL-200 – POL 300 – POL 400 – POL 500	Page 07
Alkyl phosphate ester	OFALUB SEO	Page 18
Antimony Trioxide	AKEM-Sperse Antimony Trioxide-87	Page 03
Azodicarbonamide	SAFIBLOW ADC	Page 20
Bis (3-triethoxysilylpropyl) tetrasulfide	ALCANPOUDRE 69-70	Page 10
Bisphenol S	VULCOFAC BPS	Page 27
Blocked tertiary amine complex	VULCOFAC ACT 55	Page 28
C5 hydrocarbon resin	SAFITACK C5	Page 24
C9 hydrocarbon resin	SAFITACK C9	Page 24
Calcium Carbonate	SAFIBLOW DNPT	Page 20
Calcium hydroxide	VULCOFAC F45	Page 28
Caprolactam Disulfide	VULCOFAC CLD MB 80	Page 29
Chlorinated paraffin	ALCANPOUDRE C48	Page 13
Copper Dimethyl dithiocarbamate	AKEM-Sperse CUDD-75	Page 03
Di (butyl diglycol) adipate	ALCANPLAST DBEEA	Page 05
Di (butyl triglycol) adipate	ALCANPLAST 4426	Page 05
Di isononyl phtalate	ALCANPOUDRE DINP-70	Page 14
Di-2-ethylhexyl adipate	ALCANPLAST DOA	Page 08
Di-2-ethylhexyl sebacate	ALCANPLAST DOS	Page 08
Diaryl-p-phenylenediamines mixture	ALCHEM EW 100	Page 15
Di-butoxyethoxyethyl formal (Butyl carbitol formal)	ALCANPLAST BGF	Page 08
Diethylene glycol dimethacrylate	ALCANPOUDRE SR 214	Page 11

<i>Chemical name</i>	<i>Trade name</i>	<i>Page</i>
Dinitroso pentamethylene tetramine	SAFIBLOW DNPT	Page 20
Dipentaerythritol penta acrylate	ALCANPOUDRE SR 399	Page 11
Diphenylamine-acetone extract (BLE 25)	ALCANPOUDRE BLW 70	Page 12
Diphenyl guanidine	ALCHEM DPG	Page 17
Dodecanediamine	VULCOFAC DDA	Page 26
Epoxy resin	ALCANPOUDRE 828-70	Page 13
Erucamide	OFALUB ECD	Page 18
Ether – Ester	ALCANPLAST PO 80	Page 05
Ethoxylated bisphenol A diacrylate	ALCANPOUDRE SR 349	Page 11
Ethylene Bis stearamide	OFALUB EBS	Page 18
Ethylene glycol dimethacrylate (SR 206)	ALCANPOUDRE EGDMA-70	Page 11
Gamma-Aminopropyltriethoxy silane	ALCANPOUDRE A 1100-70	Page 10
Gamma-Mercaptopropyltrimethoxy silane	ALCANPOUDRE 189-70	Page 10
Hexamethylene diamine carbamate	VULCOFAC HDC – HDC DF	Page 26
Hexamethylene Tetramine	AKEM-Sperse HMT-80	Page 03
Highly Refined Mineral Paraffinic oil	ALCANPOUDRE 2280-70	Page 14
Hydrotalcite	VULCOFAC HYTAL	Page 27
Insoluble sulphur	AKEM-Sperse IS-70	Page 03
Isobutyl oleate	ALCANPLAST BUTYL OLEATE	Page 08
Lead monoxide	AKEM-Sperse Litharge-90	Page 03
Liquid butanediene acrylonitrile polymer	ALCANPOUDRE 1312-70	Page 13
Liquid polybutadiene	ALCANPOUDRE PB 3000	Page 11
Liquid polybutanediene	ALCANPOUDRE AH-70	Page 11
Liquid Polysulfid Polymer	ALCANPOUDRE LP 31-70	Page 13
Methyl-2 mercaptobenzimidazole	ALCHEM MMBI	Page 15
Mixed para oriented styrenated diphenylamine	ALCHEM W29	Page 16
Mixed styrenated phenols	ALCHEM WS	Page 16
Mixture of esters	ALCANPLAST AP 1	Page 08
N,N' (1.4-dimethyl pentyl) phenylenediamine-77 PD)	ALCANPOUDRE 77-70	Page 12
N,N' (n-phenylene) dimaleimide	VULCOFAC 13 PDM VULCOFAC 13 PDM MB 70	Page 26
N,N' dicinnamylidene 1,6hexanediamine	VULCOFAC HD IMINE	Page 26
N- (Cyclohexylthio) phtalimide	ALCHEM CTPI / CTPI-50 / CTPI 80	Page 17
Nickel Dibutyl Dithiocarbamate	AKEM-Sperse NDBC 75	Page 03
Odor neutralizers	SAFIMASK AX	Page 23
Oleamide	OFALUB OMD	Page 18
Pale liquid coumarone tackifier	ALCANPOUDRE PLCT-70	Page 12
Paraffinic oil	SAFIBLOW DNPT	Page 20

<u>Chemical name</u>	<u>Trade name</u>	<u>Page</u>
Perfume Reodorant Products	SAFIMASK	Page 23
Phenylene diamine	ALCANPOUDRE 688-70	Page 12
Phosphonium salt	VULCOFAC CP 3441	Page 27
Phtalic polyester	ALCANPLAST LG	Page 07
Pigment	SAFICOLOR	Page 21
Pine tar	ALCANPOUDRE PT -70	Page 12
Polybutene	ALCANPOUDRE 10-70	Page 13
Polyethylene Glycol	ALCHEM PE 4000	Page 17
Propylene glycol polysebacate	ALCANPLAST POL-100	Page 07
Resorcinol	AKEM-Sperse Resorcinol-80	Page 04
Resorcinol based bonding agent	ALCANPOUDRE RRP	Page 13
Rice Bran Wax	SAFIWAX RICE BRAN	Page 25
Sodium Carbonate	VULCOFAC NAC	Page 27
Sorbitan Monostearate	OFALUB SMS	Page 18
Stabilised tri-2-ethylhexyl trimellitate	ALCANPLAST TOTM	Page 06
Stabilised trimellitate of C7-C9 linear alcohols	ALCANPLAST LTM	Page 06
Stearic Acid	OFALUB SAC	Page 18
Stearylamine	OFAULB STA	Page 18
Tackifier	ALCANPOUDRE AD 15-70	Page 12
Tetrabutylthiuram disulfide	ALCANPOUDRE TBUT	Page 13
Tetra Isobutyl Thiuram Disulfide	VULCOFAC TiBTD	Page 28
Toluène Sulfonyl Hydrazide	AKEM-Sperse TSH-75	Page 04
Tri (mono/dinonylphenyl) phosphite	ALCANPOUDRE 1520-70	Page 12
Triallyl cyanurate	VULCOFAC TAC	Page 28
Triallyl isocyanurate	VULCOFAC TAIC	Page 28
Triaryl phosphate	ALCANPLAST R65, R95	Page 08
Triethanolamine	ALCANPOUDRE TEA-70	Page 13
Trifunctional monomer	ALCANPOUDRE SARET 500	Page 11
Trifunctional monomer	ALCANPOUDRE SARET 515, 521, 1110, 1116, 1117	Page 11
Trifunctional monomer	ALCANPOUDRE SARET 517-70	Page 11
Trifunctional monomer	ALCANPOUDRE SARET 519	Page 11
Trimellitate of C8-C10 linear	ALCANPLAST 810 TM	Page 06
Trimethylolpropane trimethacrylate (SR 350)	ALCANPOUDRE TMPTMA-70	Page 11
Triphenylmethane -4,4''-triisocyanate in ethyl acetate	SAFIDUR TM 93	Page 32
Tris-(4-isocyanatophenyl) thiophosphate in ethyl acetate	SAFIDUR TP 72	Page 32
Vinyl tris (2-methoxyethoxy) silane	ALCANPOUDRE 172-70	Page 10
Zinc dialkyl dithiophosphate	VULCOFAC ZDTP-75 / ZDTP	Page 29
Zinc Dimethacrylate	AKEM-Sperse 634-75	Page 03

<i>Chemical name</i>	<i>Trade name</i>	<i>Page</i>
Zinc Dimethyl dithiocarbamate	AKEM-Sperse ZDMC-80	Page 04
Zinc dithiophosphate amine complex	VULCOFAC ZAP	Page 29
Zinc methyl mercaptobenzimidazole	AKEM-Sperse ZMMBI-60	Page 04
Zinc methyl mercaptobenzimidazole	ALCHEM ZMMBI	Page 16
Zinc oxide	AKEM-Sperse ZNO RS-80	Page 04

CONTENTS

PRODUCTS FOR POLYURETHANES

☛ ALCHEM - Curatives **Page 36**

☛ SAFICURE - Curatives **Page 37**

PRODUCTS FOR LATEX

☛ FAXAN - Latex additives **Page 38**

PRODUCTS FOR COATINGS

☛ SAFILUX - Pigments **Page 39**

PRODUCTS FOR ADHESIVES

☛ SAFITACK - Rosin Tackifiers **Page 40**



PRODUCT for POLYURETHANES

ALCHEM

SUPPLIER: SAFIC-ALCAN FRANCE

PRODUCT NAME	APPEARANCE	CHEMICAL COMPOSITION	%	APPLICATIONS	PACKAGING
ALCHEM MOCA	Light yellow granules	4,4-methylene bis (2-chloro aniline)	100	<ul style="list-style-type: none"> ✓ Aromatic amine mainly used for polyurethane prepolymers curing. ✓ It has to be melted before use (over 110 °C) for processing at liquid state ✓ It gives elastomers with high mechanical and dynamic properties ✓ Melting point: 98 – 110 °C 	Drums 70 kg
ALCHEM NDI	White crystalline flakes	1,5-naphtalene di isocyanate	100	<ul style="list-style-type: none"> ✓ Isocyanate used for cast elastomer ✓ Solid at room T°C 	Drums 40 kg
ALCHEM HQEE	White powder	Hydroquinone Bis (2-hydroxyethyl)ether	100	<ul style="list-style-type: none"> ✓ Is an aromatic diol used as Polyurethane curative for high performance applications (tires, wheels, conveyors) ✓ High dynamic performances 	Drums 25 kg
ALCHEM TI	Colourless liquid	Para-toluene-sulfonyl isocyanate	100	<ul style="list-style-type: none"> ✓ Stabilizer for moisture sensitive systems. ✓ Is used in moisture-curing one or two components Paints, Adhesives and Sealants. 	Drums 20 kg

PRODUCT for POLYURETHANES

Curatives

SAFICURE

SUPPLIER: SAFIC-ALCAN FRANCE

PRODUCT NAME	APPEARANCE	CHEMICAL COMPOSITION	%	APPLICATIONS	PACKAGING
SAFICURE DCB 04	White powder	4,4-methylene bis (3-chloro-2,6 diethylaniline)	100	<ul style="list-style-type: none"> ✓ Saficure MCDEA is used as a chain extender for elastomeric polyurethane's and as a curing agent for epoxides in chemical resistant coatings. It provides a high temperature resistance, very good dynamic properties, and hydrolytic and light stability in polyurethanes. ✓ Curative for polyurethane. 	Metal drums 25 kg

PRODUCT for LATEX

FAXAN

SUPPLIER: SAFIC-ALCAN FRANCE

PRODUCT NAME	CHEMICAL DESCRIPTION	FORM	APPLICATIONS	PACKAGING
FAXAN LW	Mixture of non-ionic ethylene oxide	Flakes	<ul style="list-style-type: none"> ✓ Stabilizer for Thermosensitized Latex ✓ Give a more regular coagulation of natural latex (0.5%) 	Bags 25 kg
FAXAN RX 810	Solution of sodium-polyacrylate	Liquid	<ul style="list-style-type: none"> ✓ Thickening Agent of water –based polymer dispersion 	Drums 200kg
FAXAN WAQ	Mixture of sulfuric monoester sodium salt of superior fatty alcohol	Liquid	<ul style="list-style-type: none"> ✓ Stabilizer and wetting Agent (demolding agent) ✓ Surfactant agent used as stabilizer (0.25 to 3%) and wetting agent (0.5 to 3%) to increase solubility of the latex. Demolding agent (0.5 to 1.5%). Lubricant agent (4% and more) 	Drums 200 kg

PRODUCT for COATINGS

Safilux

SUPPLIER: SAFIC-ALCAN FRANCE

PRODUCT NAME	COLOR
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Photoluminescent pigments

Safilux WG serie	Yellow-green
Safilux WT serie	Sky-blue
Safilux WB serie	Blue
Safilux WP serie	Purple

Applications

✓ Plastic, Paints, Rubber

Our pigments are also available with surface treatment for water resistance to be used in water-based solutions or improved aging resistance applications (outdoor). In this case, the product code is followed by the number "2", like f.i. WGLA2.

PRODUCT for ADHESIVES

Safitack

SUPPLIER: SAFIC-ALCAN FRANCE – **PACKAGING:** 25 kg bag

	Softening point (°C)	Gardner Color	Acid Value Mg KOH/g	Chemical nature
Safitack GR-XA	78 min.	3 max.	170 min.	Pale gum rosin
Safitack GR-WW	76 min.	9 max.	166 min.	Gum rosin
Safitack RE-125	115-125	7 max.	16 max.	Modified, pentaester of gum rosin
Safitack RE-90	85-95	3 max.	10 max.	Pale glycerol ester of rosin
Safitack RE-100	97-103	3 max.	16 max.	Pale pentaerythritol ester of rosin
Safitack RE-955	90-100	5 max.	25 max.	Pentaerythritol ester of rosin

Applications

- ✓ Rosin is an ingredient in printing inks, varnishes, adhesives (glues), medicines, chewing gum, soap, paper sizing.
- ✓ Rosin esters are used in a wide range of applications including hot melt adhesives, sealants, chewing gum base, road marking and pressure sensitive adhesive tapes and labels.

PRODUCTS INDEX

<u>Chemical name</u>	<u>Trade name</u>	<u>Page</u>
1,5-naphtalene di isocyanate	ALCHEM NDI	Page 36
4,4-methylene bis (2-chloro aniline)	ALCHEM MOCA	Page 36
4,4-methylene bis (3-chloro-2,6 diethylaniline)	SAFICURE DCB04	Page 37
Hydroquinone bis (2-hydroxyethyl)ether	ALCHEM HQEE	Page 36
Mixture of non-ionique ethylene oxide	FAXAN LW	Page 38
Mixture of sulfuric monester sodium salt of superior fatty alcohol	FAXAN WAQ	Page 38
Para-toluene-sulfonyl isocyanate	ALCHEM TI	Page 36
Photoluminescent pigments	SAFILUX	Page 39
Rosin Tackifiers	SAFITACK	Page 40
Solution of sodium-polyacrylate	FAXAN RX 810	Page 38

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