



ADEKA India

ADEKA India Private Limited was established on 1st September 2007 at Mumbai with an equity base of Rupees 1,50,00,000.

Equity is owned 90% by ADEKA Corporation, Japan and 10% by ADEKA (Asia) Pte. Ltd., Singapore.

ADEKA India will facilitate sourcing of chemicals and other products from India for ADEKA Corporation, and will also market products of ADEKA Corporation or its other subsidiaries in India.

Initially, the marketing effort will be focussed on Polymer Additives.



Kashima Factory



Chiba Factory



Kashima Factory West



Fuji Factory



Akashi Factory



Souma Factory



Mie Factory

ADEKA Global

- Established in 1917
- Part of Furukawa Group
- Chemicals and Foods Related Products
- 9 Factories in Japan
- 21 Affiliated Companies in Japan
- 20 Overseas Companies
- Consolidated sales (2007-08)
US\$ 1.90 billion
- Listed on Tokyo Stock Exchange

Products

Food Materials



Various types of materials for foods. Margarine, Shortening, a new type of Mayonnaise like sauce which does not separate after freezing or after being processed in a microwave.

Polymer Additives



Wide range of Polymer Additives. Odour free clarifiers. High performance Nucleating Agents. High Heat phosphites for Engineering Plastics and Polyolefins, Halogen Free Flame Retardants for ABS, PC, m-PPE, PC-ABS, PP, EVA etc., HALS for automotive and other uses.

Propylene Glycols



PG, DPG, TPG for cosmetics, medicines, toiletries, brake fluid etc.

Surfactants



Wide range like Non-Ionic, Anionic, Cationic, Amphoteric, Reactive type for emulsion polymerization, defoamer etc.

Reducing Agents



DEHA (Polymerization Inhibitor) and Thiourea Dioxide for pulp, fibers and chemicals.

Peroxygen Chemicals



APS, SPS, PPS for PCB, metal surface treatment, fibers, foods & chemicals

Lubricants



Organic molybdenum compounds & Zinc compounds for grease, engine oil, industrial oils, metal working fluid, heat resistant oil & hydraulic fluid.

Recording Materials



Dyes for CD, DVD, DVD-R, CD-R. Stabilizers & developer for thermal papers.

Construction Materials



Water Swelling Materials and other materials for construction of dams, tunnels and materials for buildings.

Epoxy Resins



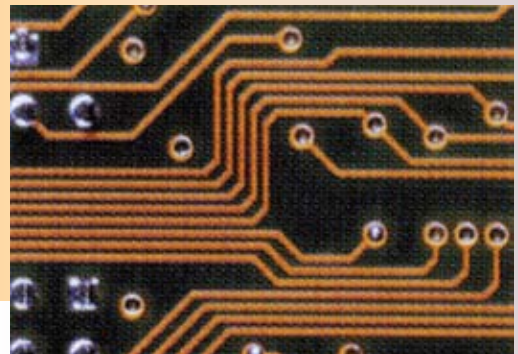
For encapsulation, adhesives, coatings, civil engineering and electrical applications.

Semiconductor Materials



High Purity Gases, ALD / CVD / MOD Precursors.

Circuit Materials



Etching Control System, Etchants, Pickling Agents, Plating Agents etc.

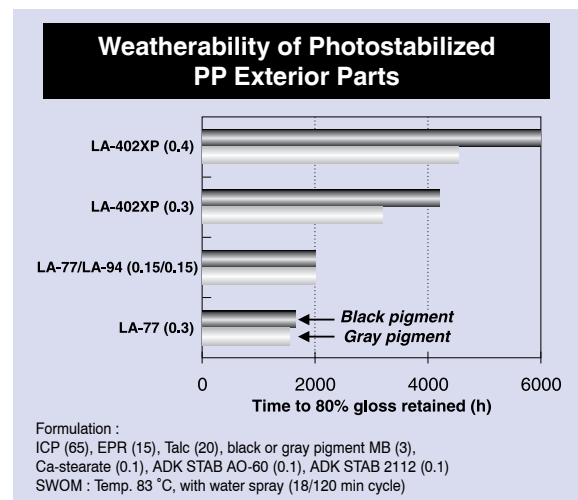
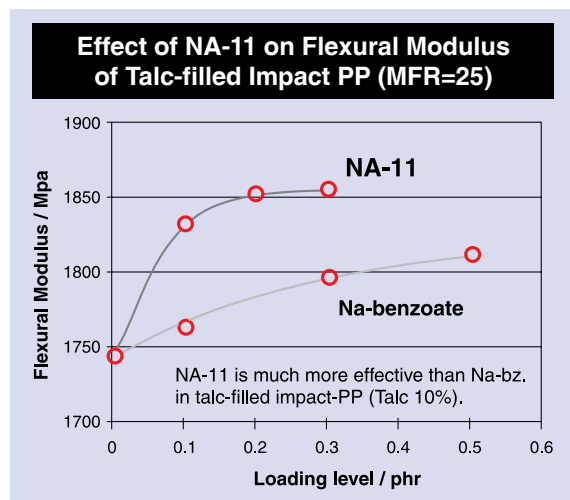
Polymer Additives

For PP, PE, ABS, PC-ABS, m-PPE, TPOs, Elastomers etc.

Major Points

- ADEKA is one of the few companies making wide range of Polymer Additives
- Plants in Japan, Taiwan, Korea, China, France & USA for Polymer Additives
- Large capacity
- Strong technical service
- Many original products
- Also have commodity grades
- Many special grades like for High Temperature uses, Engineering Plastics, Automotive PP (Nucleating Agents and HALS), Halogen Free Flame Retardants, Clarifying Agents etc.

Type of Additive	Series Information	Application
Hindered Phenols	AO Series	Polyolefins, ABS, other plastics and elastomers.
Phosphites	PEP Series, HP and others	Powder and Liquid types. For Polyolefins, PS, ABS, Engineering Plastics and PVC.
Blends of Anti-oxidants	A Series	Blends of Phenols and Phosphites. Excellent process, color and hydrolytic stability.
Thioethers	AO Series	Powder and Liquid. Synergism with Phenolics. For plastics and elastomers.
Metal Deactivators	CDA and ZS Series	Non-discoloring. Special grades for compatibility with filled PP.
Nucleating Agents	NA Series	Improve mechanical, thermal, optical properties of PP. Reduced cycle-time. Used for automotive and appliances.
Clarifying Agents	NA Series	Odour free high performance Clarifiers for PP. Improved mechanical, thermal and optical properties of PP. Also improved cycle-time. Sheets, EBM, injection clear PP applications.
UV Absorbers & Hindered Amine Light Stabilizers	LA Series and others	Benzophenone and Benzotriazole type UV Absorbers. Hindered Amine Light Stabilizers. Powder, pellet and liquid types for various plastics, TPO and elastomers.
Flame Retardants	PFR and FP Series	Liquid Halogen Free Flame Retardants for PC, ABS, PC-ABS, m-PPE. Powder Halogen Free Flame Retardants for PP, EVA, PE etc.



PVC Additives

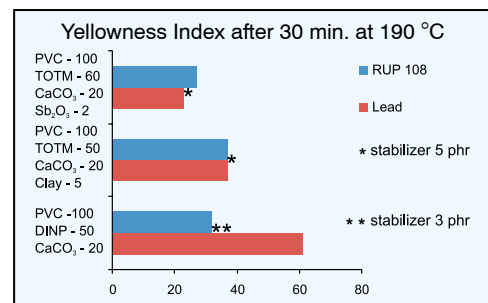
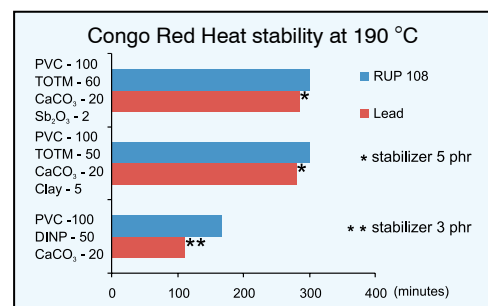
Major Points

- ADEKA is one of the pioneers in Heavy metal free stabilizers (Lead & Cadmium free)
- Plants in Japan, China, Taiwan, Korea, Thailand, France & USA for PVC additives
- Large capacity
- Strong technical service
- Many special grades for medical, high and low temperature applications, wire harness and leather-cloth

Stabilizers for PVC		
Series	Composition	Application
ADK STAB AC ADK STAB AP	Liquid Ba-Zn Powder Ba-Zn	For general purpose, flooring and leather cloth. Can be used from transparent to CaCO ₃ filled formulation.
ADK STAB RUP 10	Powder Ba-Zn	For wires requiring migration resistance using polyester plasticizer.
ADK STAB CPL ADK STAB CPS	Liquid Powder	For automotive upholstery to improve long term heat stability at moderate temperature.
ADK STAB RUP 100	Powder Ca-Mg-Zn	For wire & cables, excellent electrical properties & superior heat stability.
ADK STAB RX	Powder Ca-Zn	For rigid PVC by extrusion. Heat stability same as lead.
ADK STAB SC ADK STAB SP	Liquid Paste Ca-Zn Powder Mg-Zn	For general purpose, comparable performance to Ba/Zn stabilizer.
ADK STAB OF ADK STAB FL	Powder Ca-Zn Liquid Ba-Zn / Na-Zn / K-Zn	For general purpose PVC foam
ADK STAB BAP	Organic Complex	Cell control agent for PVC foaming
ADK STAB SC ADK STAB 30	Liquid Ca-Zn Paste Ca-Zn	For food & medical applications excellent heat stability, initial colour & transparency.
ADK STAB 465 L (Organo Tin)	Liquid Mercaptide	For excellent heat stability, initial colour and transparency.
ADK STAB OT1 (Organo Tin)	Liquid Laurate	For rigid sheet and blow bottle.

Plasticizers for PVC & Rubber	
Series	Type
ADK CIZER O ADK CIZER D	Epoxy
ADK CIZER P ADK CIZER PN	Polyester
ADK CIZER C ADK CIZER UL	Heat Resistant
ADK CIZER LV	Antistatic
ADK CIZER RS	For Rubber

RUP 108 - Performance comparable to Lead



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Affiliated Companies in Japan

- 1 Nihon Noyaku Co., Ltd.
- 2 Adeka Chemical Supply Corp. (Former Yoko Sangyo Co., Ltd.)
- 3 Kyokuyu Sangyo K.K.
- 4 Adeka Life-Create Corp. (Former Kyokuyu Real Estate K.K.)
- 5 Asahi Architects Office Co., Ltd.
- 6 Oxirane Chemical Corp.
- 7 Kashima Chlorine & Alkali Co., Ltd.
- 8 Kashima Chemical Co., Ltd.
- 9 Kanto Sodium Silicate Glass Co., Ltd.
- 10 Adeka Clean Aid Corp.
- 11 Tokyo Environmental Measurement Center Co., Ltd.
- 12 Co-Op Clean Co., Ltd.
- 13 Chiba Fatty Acids Co., Ltd.
- 14 Mizushima Plasticizer Co., Ltd.
- 15 Nihon Epoxy Resin Co., Ltd.
- 16 Adeka Fine Foods Corp. (Former Asahi Fine Foods Co., Ltd.)
- 17 Adeka Engineering & Construction Corp.
- 18 Adeka Logistics Corp.
- 19 Adeka Foods Sales Corp. (Former Asahi Foods Sales Co., Ltd.)
- 20 Yongo Co., Ltd.
- 21 Uehara Foods Industry Co., Ltd.

Overseas Capitalized Companies

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| USA | 1 Amfine Chemical Corp. |
| | 2 Adeka USA Corp. |
| Germany | 3 Adeka Europe GmbH |
| France | 4 Adeka Palmarole Sas |
| Korea | 5 Adeka Fine Chemical Korea Corp. |
| | 6 Adeka Korea Corp. |
| China | 7 Adeka (Shanghai) Co., Ltd. |
| | 8 Adeka Fine Chemical (Shanghai) Co., Ltd. |
| | 9 Adeka Fine Chemical (Changshu) Co., Ltd. |
| | 10 Adeka Foods (Changshu) Co., Ltd. |
| | 11 Chang Chiang Chemical (Shanghai) Co., Ltd. |
| | 12 Kukdo Chemical (Kunshan) Co., Ltd. |
| Taiwan | 13 Chang Chiang Chemical Co., Ltd. |
| | 14 Adeka Fine Chemical Taiwan Corp. |
| Thailand | 15 Adeka Fine Chemical (Thailand) Co., Ltd. |
| Malaysia | 16 Felda Oil Products Sdn. Bhd |
| | 17 Palm-Oleo Sdn. Bhd. |
| Singapore | 18 Adeka (Singapore) Pte. Ltd. |
| | 19 Adeka (Asia) Pte. Ltd. |
| India | 20 Adeka India Private Limited |