

# Deodorizer EPOLEON

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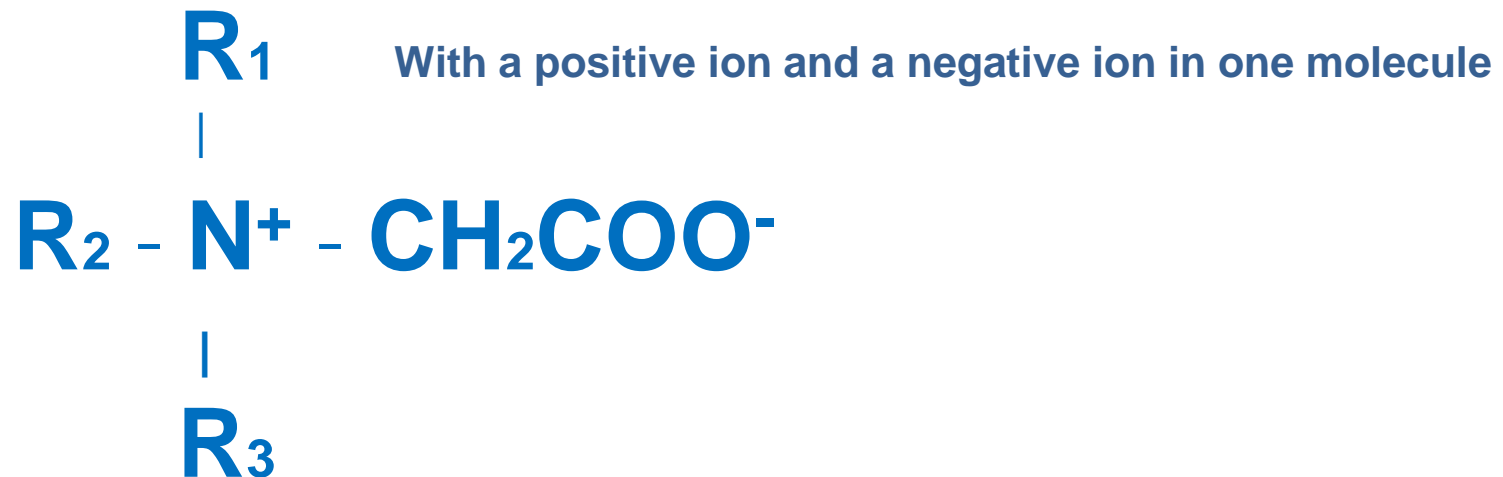


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# Features of EPOLEON

## Betaine type compounds

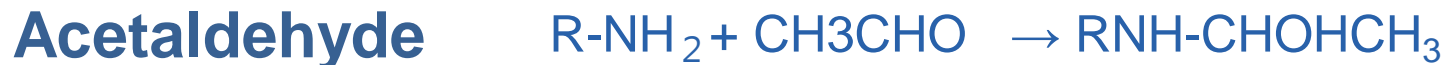


It can react with complex odors like acidic odors, alkaline odors and neutral odors.

# Features of EPOLEON

## ● Deodorization Mechanism – chemically reaction (Neutralization · condensation · additivity · redox)

⇒ Converts to reduced odorous substances and reduces odor concentration



# Identify the odors

Foundry plant

**Molding process**

**amines**  
**aldehyde**



Rubber molding plant

**Mixing process**

**Vulcanization**

**amine**

**aldehyde**  
**lower fatty acid**

**Sulfur compound**



**Reaction by spraying deodorant**  
**→ reduce the odor concentration**

# Engine parts production line



**Metal casting**



**molding**

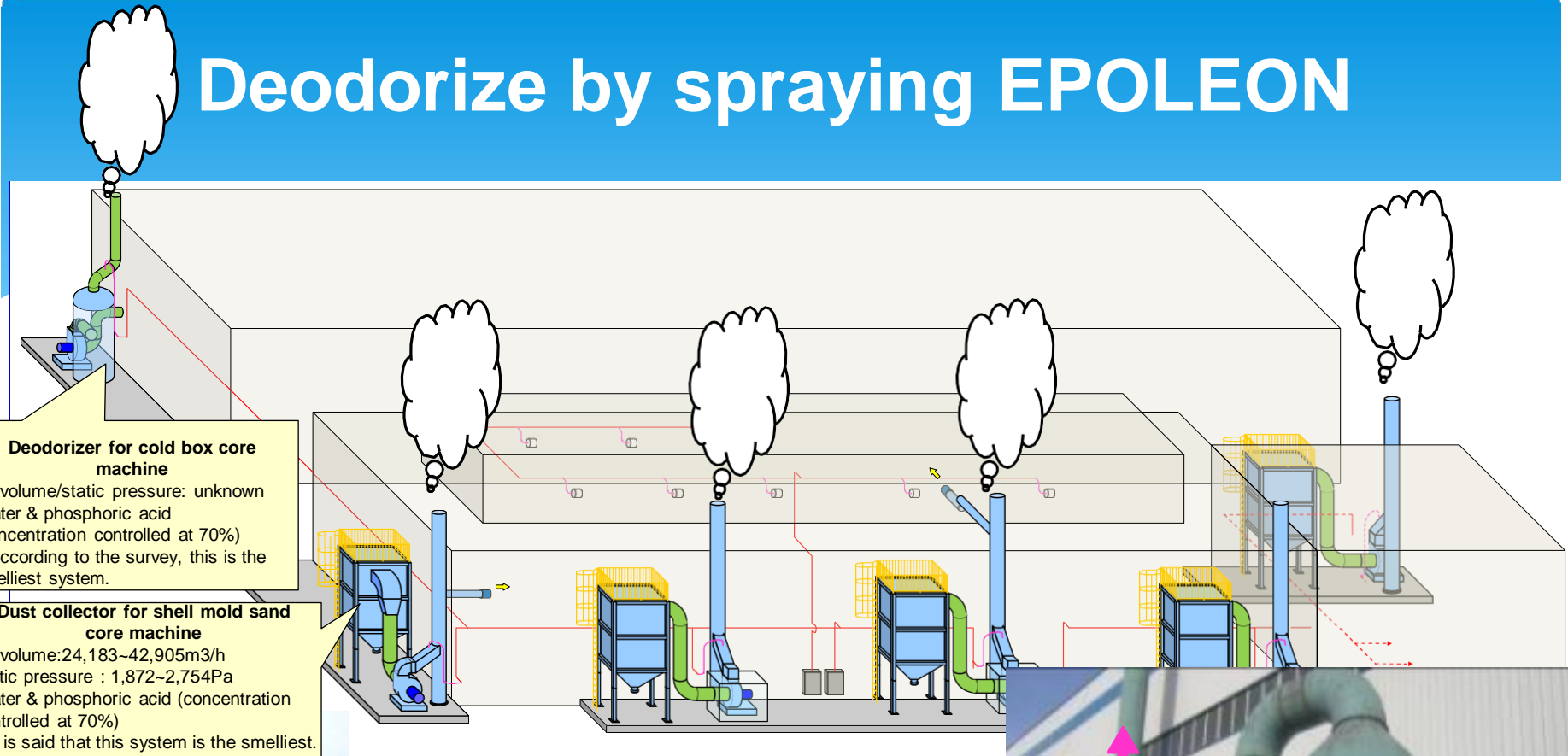


**amine and  
aldehyde odor**

**finished parts**



# Deodorize by spraying EPOLEON



Spray in the exhaust pipe



The whole of exhaust pipe (the brown area is the spray area)





# Tire Manufacturing Process

natural rubber



amine and aldehyde odor

rubber kneading process

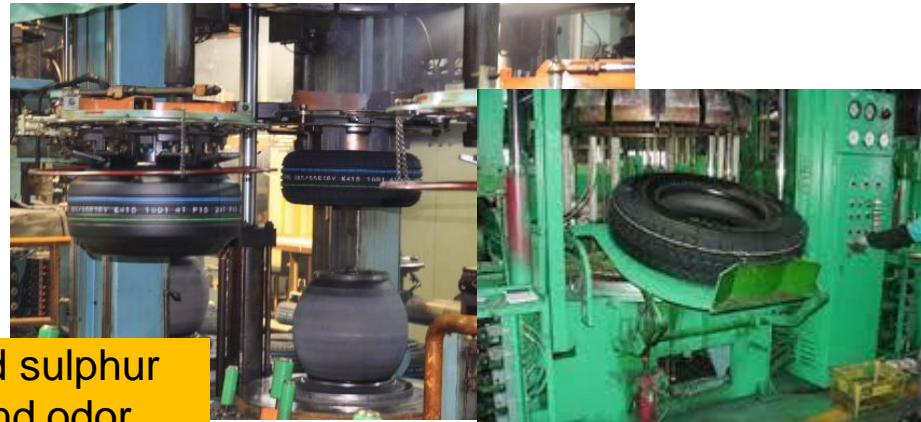


sheet extrusion process



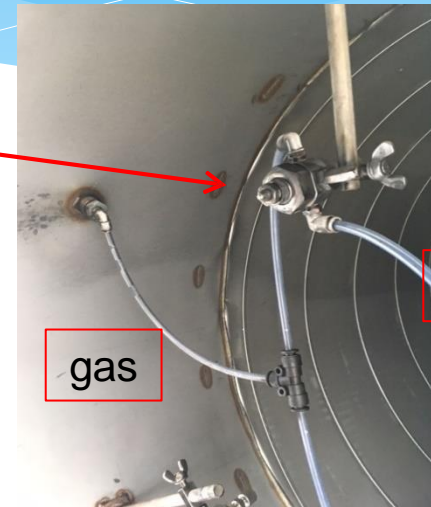
amine and sulphur compound odor

vulcanization process



# Application example for exhaust pipe

## Odor emitted from exhaust pipe



### → To reduce odor

- Particle size 20 $\mu$ , 3 nozzles
- Run 24hr, spray with 100 times dilution
- 400mL per minute/ 3 nozzles
- Consumption 172kg/month



# Product List

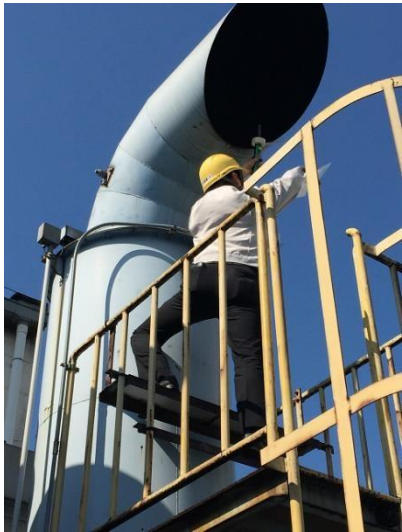


Product Series	ammonia amines	H <sub>2</sub> S, Sulphur compound	aldehydes	lower fatty acids
UR	⊙	×	×	×
N Series	○	○	△	○
HP Series	△	×	⊙	×
AL Series	×	△	⊙	⊙
OS Series	○	⊙	×	△

# Support Service

## Odor sampling / Odor Analysis Service

Sampling odors on site



Test by detector tube

① Gas sampling bag(20L x 2bags) left: odor replacement



② Test by detector tube  
(aldehyde, acetic acid)



Smell test



Contact the sampled odor with the deodorant  
→ check the effect → select the appropriate deodorant