



KOSRAM

Company Introduction

Leader in eco-friendly industrial cleaning solutions

KOSRAM, with 45 years of experience in petrochemical manufacturing and refining, provides top-quality cleaning agents through distillation and adsorption filtration facilities.



첨단기술·제품 확인서

확인번호 : 제2024-64호
관련고시 : 산업통상자원부고시 제2024-90호
기관명 : 코스람산업(주)
대표자명 : 양병진
주소 : 충청남도 당진시 순성면 틀모시로 216

귀사의 [유해물질 없이 세정력을 높인 산업용세정제 제조 기술]은 『산업발전법』 제5조 및 『첨단기술 및 제품의 범위』 고시의 '청정기반 분야 - 내분비계 교란물질 대체 및 저감기술'에 해당됨을 확인합니다.

2024년 12월 5일

산업통상자원부 장관인



제 30724 호

환경표지 인증서

- 상 호 : 코스람산업(주)
- 사업자등록번호 : 311-81-15149
- 소재지 : 충청남도 당진시 순성면 틀모시로 216
- 공장·사업장소재지 : 충청남도 당진시 순성면 틀모시로 216
- 대표자성명 : 양병진
- 대상제품 : EL605, 산업용 세정제
- 상표명/용도·제공서비스 : MS-CLEAN/산업용 세정제 (용제계, 알로젠)
- 인증기간 : 2024.05.07 부터 2027.05.06 까지
- 인증사유 : "유해물질 감소"

『환경기술 및 환경산업 지원법』 제17조제3항, 같은 법 시행령 제23조제2항 및 같은 법 시행규칙 제34조제2항에 따라 환경표지대상제품의 인증기준에 적합하므로 환경표지의 사용을 인증합니다.

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재발령 사유 :

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한국환경산업기술원장

한국환경산업기술원은 『환경기술 및 환경산업 지원법』 제31조제2항 및 같은 법 시행령 제33조제6항에 따라 환경부장관으로부터 환경표지 인증에 관한 업무를 위탁받은 기관입니다.



Manufacturer:
Kosram Industry Co., Ltd.

31758) 216 Teulmosiro, Dangjin-si, Chungcheongnam-do
Business Registration Number: 311-81-15149 |
CEO: Yang Byeong-jin
Main Phone: +82-41-352-0780 | Fax: +82-41-352-7667
Main Email: info@kosram.co.kr



Sales company (Subsidiary company)
Kosram Industry Co., Ltd

2nd floor, Building B, Geumgang Building,
82 Siheung-daero, Geumcheon-gu, Seoul
Tel: 02-803-3685 | Fax: 02-6332-1009
Email: ks@kosrams.co.kr

Corporate Profile



A company that contributes to social development
based on faith and trust.

Ordinary mind

Accountability

Attention to Detail

High quality

Thoroughgoingness



Kosram Industrial Co., Ltd. has grown alongside the advancements in industrial chemistry and environmental engineering for over 45 years.

We provide eco-friendly semiconductor and electronics-grade industrial cleaners suited to the cutting-edge technology era, regulatory-compliant industrial cleaners,

and customized cleaning solutions optimized for our customers' cleaning equipment.

Through continuous research and development and quality innovation,
we contribute to strengthening industrial competitiveness,
and have secured various environmentally-related intellectual property rights.

We wish you a harmonious future for the environment, industry
and for your company's endless growth and glory.



Corporate History



1980

Daeyu Chemical Co., Ltd. was founded

1990

Renamed to **Busung Chemical Co., Ltd.**

Licensed as an Intermediate Treatment Facility for Designated Waste

Certified as a Comprehensive Recycling Company for Designated Waste

2000

Incorporated as **Kosram Industry Co., Ltd.** (Corporate Conversion & Name Change)

Licensed as a Toxic Chemicals Manufacturer

Expansion of major processing and storage facilities

Licensed for Collection and Transportation of Designated Waste

Licensed Cleaning Service Provider

2010

Obtained ISO 9001 Quality Management System Certification

(KS Q ISO 9001:2009/ ISO 9001:2008)

Established a Dedicated R&D Center (Registration No. 2013150358)

Certified as an INNO-BIZ Company (Technology Innovation-Oriented SME)



2020

Expanded Storage Facilities

Expansion and Renovation of R&D Building and Internal Facilities

2021

Opened Seoul Office

Established **Kosram Sales Co., Ltd. (Subsidiary Sales Corporation)**

2022

Further Expansion of R&D Building

Added 12 Hazardous Chemical Manufacturing and Handling Items and Increased Authorized Storage Capacity

Obtained License for Hazardous Chemicals R&D Laboratory

2024

Certified as an Advanced Technology Product by the Ministry of Trade, Industry and Energy (Certificate No. 2024-64)

Obtained Eco-Label Certification from Korea Environmental Industry & Technology Institute (Certificate No. 30724)



Patents and licenses



Trademark registration certificate



Trademark registration certificate



Eco-friendly metal cleaner patent



Eco-friendly metal cleaner patent



Eco-friendly metal cleaner patent



Patent for an eco-friendly metal cleaner with improved cleaning power



Patent for an eco-friendly purification method for waste organic solvents



Patent for an eco-friendly carbon source utilizing waste and its manufacturing method



Patent for an eco-friendly organic solvent using waste organic solvents

Product Overview & Quality Certifications



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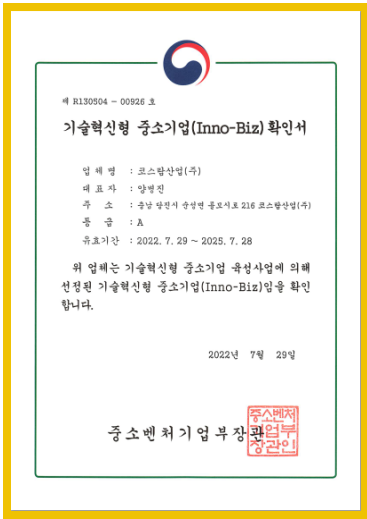


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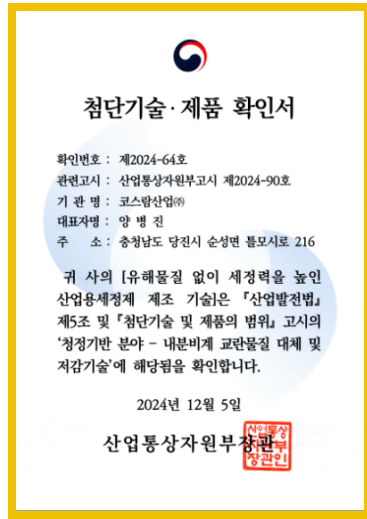


Product	Hazard Classification	Key Features	Recommended Applications
MS-KOSOL 5000	Eco-friendly, Non-hazardous Cleaning Agent	Excellent cleaning performance with high process stability	Mass production of high-quality products such as electric vehicles and electronic components
MS-KOSOL 4077s	Eco-friendly, Non-hazardous Cleaning Agent	Economical version of KOSOL 5000	Coating and plating companies sensitive to cost efficiency
MS-KOSOL 805s	Regulated, Non-hazardous Cleaning Agent	Superior penetration and fastest drying speed among KOSOL series	Manufacturers producing small and multi-layer structured parts
MS-MAX 90	Eco-friendly, Non-hazardous Cleaning Agent	Enhanced penetration and faster drying compared to the KOSOL series	Semiconductor manufacturing, defense industry production, and precision equipment cleaning requiring rapid drying and high precision

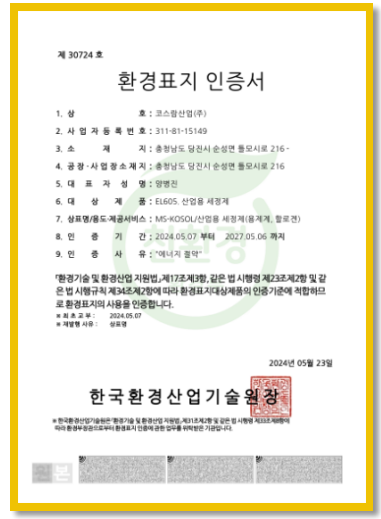
Product Certifications



INNO-BIZ Certification



Advanced Technology Product Certification



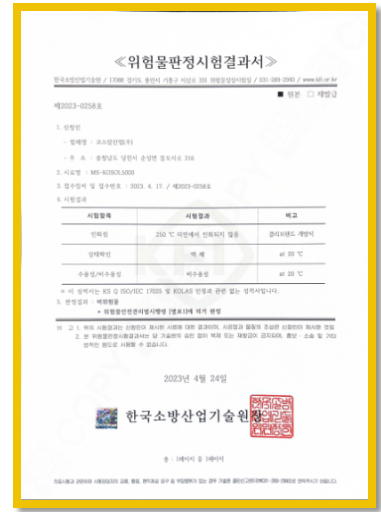
Eco-Label Certification



Heavy Metal Detection Test Report (SGS Certified)



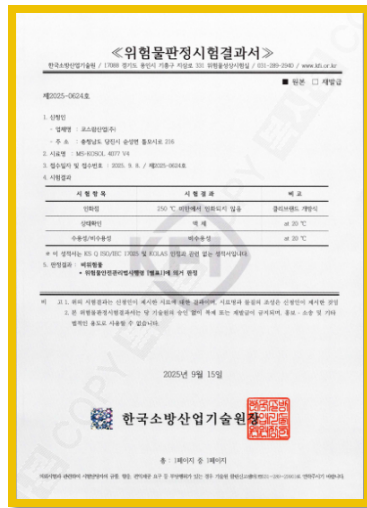
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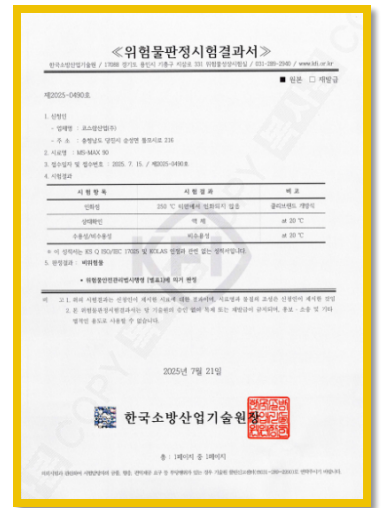
Non-Hazardous Material Classification Certificate



Non-Hazardous Material Classification Certificate



Non-Hazardous Material Classification Certificate



Non-Hazardous Material Classification Certificate

Product Introduction



MS series (Maximum Stainless)



“An **eco-friendly**, non-hazardous cleaning solution with excellent cleaning performance and flame retardancy, fully compliant with environmental regulations and **customizable to your equipment** for improved efficiency and cost-effectiveness.”

PureSolv

“A **high-performance cleaning agent** designed for demanding processes, formulated with regulated substances **below legal thresholds** to fully comply with chemical and environmental regulations, **enabling safe and convenient use** without additional permits or complex handling requirements.”



Cleaning Quality & Verification Results



- Product Performance (Dyne Pen Test)

CU		AL	
40,38	36,34	40,38	36,34



Fields of Application

- **Applications** Applicable to metalworking fluid and polymer cleaning, compatible with immersion, spray, and vapor degreasing systems without equipment modification.

1

Removes contamination from various metalworking oils, including press, drawing, stamping, cutting, and rolling oils

For cleaning automotive and defense components made of Cu, Al, SUS, brass, carbon steel, and various alloys

2

Polymer materials,
Cleaning agent for dissolving adhesive resins and rubber

Paint & Ink Solvent Cleaning
Mold Release Agent Removal

3

Grease & Mold Release Agent Removal
Optical Lens and Precision Component Cleaning

PCB & Electronic Substrate
Flux Cleaning

4

Pre-treatment Degreasing for
Painting & Plating

Alternative to
Dry Cleaning Solvents



In-House R&D Center



- Agilent GC MSD
- Agilent GC
- Metrohm Volumetric K/F
- Metrohm Coulometric K/F



- Metrohm PH Meter
- Lovibond PFX-195
- Anton paar DMA
- Metrohm tiamo CL Meter



- Ultrasonic cleaner
- Powersonic
- Flashing point tester



Equipped with advanced systems for precise raw material analysis and cleaning performance testing, we conduct accurate research and develop customized, [eco-friendly cleaning solutions optimized for our customers' specific processes.](#)

Quality Management Process



원자재공급업체

세정제 제조

귀사로 납품



원자재 GC-MS분석 및 확인

제품 GC-MS분석 및 확인





Hazardous Chemicals: Definition & Regulations

Definition of Hazardous Chemicals

Regulation on the Use of Hazardous Chemicals

Considerations for On-Site Application



Alternative Cleaning Solutions to Hazardous Chemicals

Eco-Friendly Cleaning Agents

Regulation-Compliant Cleaning Solutions

Non-Hazardous Solvents Only

Minimal or No Regulatory Restriction

No Special Permit Required

Reduced Compliance Burden

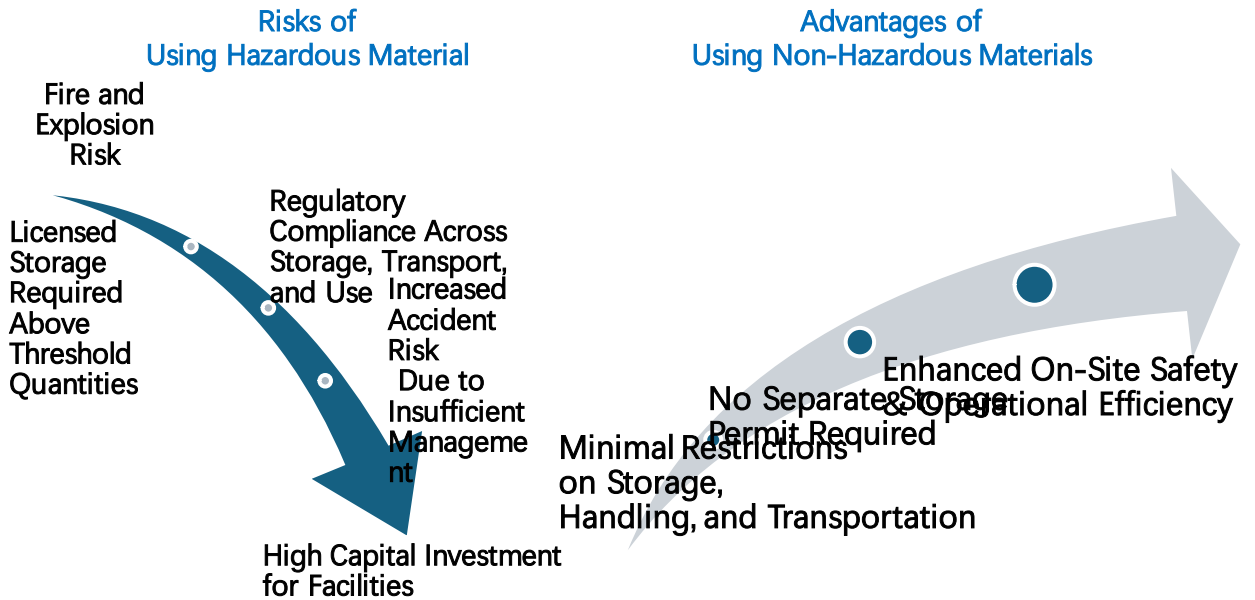
Reduced Worker Safety Concerns

Diluted Use of Regulated Solvents Below Legal Thresholds

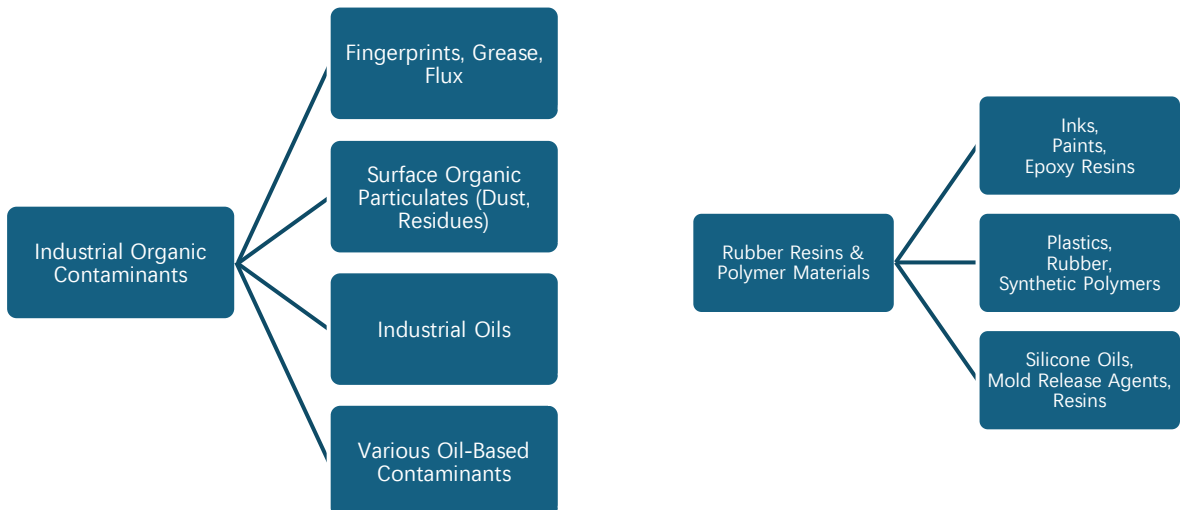
Subject to the Same Regulations as Eco-Friendly Cleaners

Potential On-Site Handling Resistance

Classification of Cleaning Agents: Hazardous and Non-Hazardous



Materials to Be Cleaned



Cleaning Equipment Type 1

– Automated Ultrasonic Cleaning Systems



Process

- Stage 1: Immersion
- Stage 2: Ultrasonic Cleaning
- Stage 3: Rinsing
- Stage 4: Vapor Drying
- Stage 5: Hot Air Drying

Applicable Materials

- Copper, Aluminum, Stainless Steel (SUS), Mixed Non-Ferrous Metals
- Ceramics and Chemically Resistant Polymer Compounds
- Electronic Components such as PCBs

Target Industries

- Mass production facilities for automotive, electronics, and semiconductor components
- Manufacturers requiring precision cleaning for medical devices and defense equipment

Applicable Product

- MS-KOSOL 5000
- MS-KOSOL 4077S
- MS-KOSOL 805s
- MS-MAX 90



전자동 초음파 세척기
Fully Automatic Ultrasonic Cleaner



Cleaning Equipment Type 2

– Spray Cleaning Solutions



Process

- Rapid-response cleaning of machining oils and synthetic polymers such as epoxy, rubber, and resins

Applicable Materials

- Non-ferrous metals
- Chemically resistant polymer compounds (e.g., ceramics, high-performance polymers)

Target Industries

- Mass-production plants for automotive, electronics, and semiconductor components
- Companies requiring equipment cleaning for medical devices and defense systems

Applicable Products

- MS-MAX 90
- MS-KOSOL 805s
- MS-KOSOL 5000



Cleaning Equipment Type 3

– Resin & Polymer Dissolving Cleaning Solutions



Target Materials

- Epoxy
- Polymer Compounds
- Rubber
- Resins

Applications

- Equipment Cleaning
- Thinner / Solvent Replacement

Applicable Products

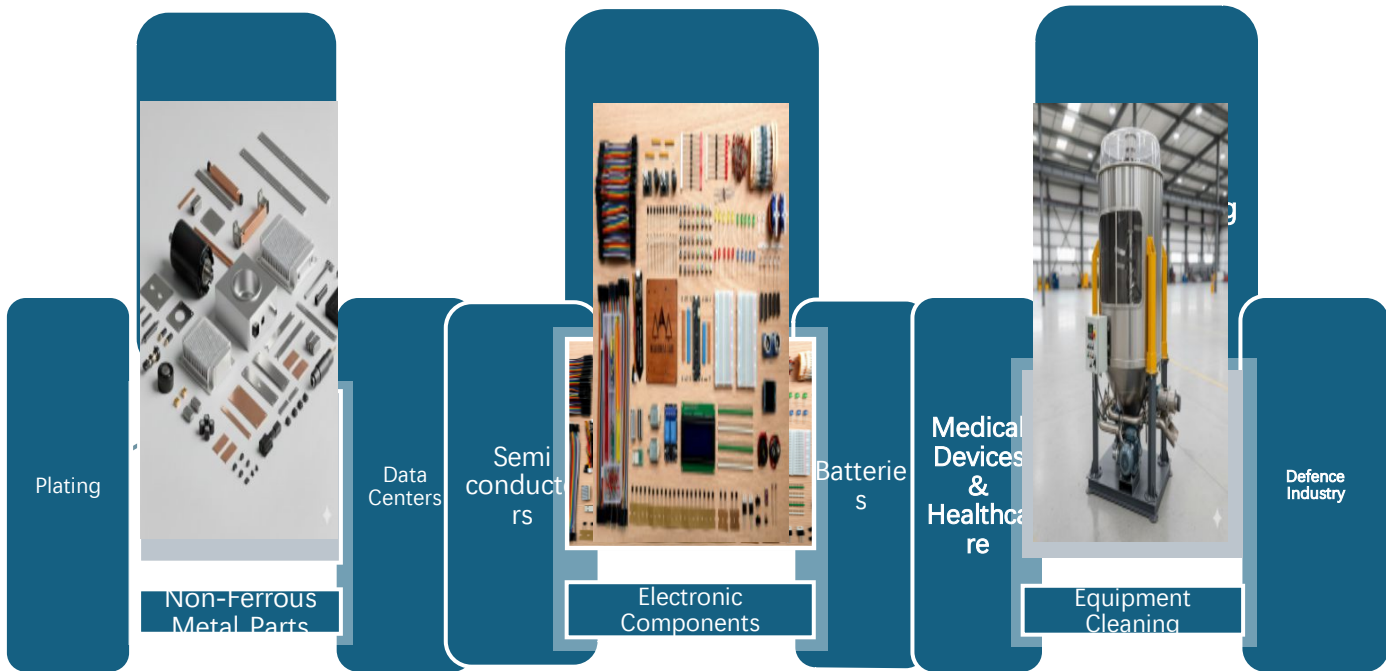
- MS-MAX 90
- MS-KOSOL 805s
- MS-KOSOL 5000



MS Series Product Overview

Product	Hazard Classification	Key Features	Recommended Industries
MS-KOSOL 5000	Eco-friendly, Non-hazardous Cleaner	Stable performance with excellent compatibility cleaning process	High-quality mass production such as electric vehicles and electronic components
MS-KOSOL 4077s	Eco-friendly, Non-hazardous Cleaner	Cost-effective standard version of KOSOL 5000	Coating and plating companies sensitive to cost efficiency
MS-KOSOL 805s	Regulation-compliant, Non-hazardous Cleaner	Highest penetration and fastest drying speed among KOSOL series	Manufacturers of small and complex multi-layer components
MS-MAX 90	Eco-friendly, Non-hazardous Cleaner	Superior penetration and rapid drying beyond KOSOL series	Semiconductor manufacturing, defense production, and precision equipment cleaning

Key Industries Using Cleaning Solutions



Key Advantages of Kosram Industry



In-House R&D Center
Equipped with Advanced Analytical Instruments, Including GC/MS



High-Quality Cleaner Production with State-of-the-Art Facilities

Cost Reduction and Performance Enhancement through Process Optimization

Customized Formulation Tailored to Your Cleaning Equipment

Systematic Quality Control Based on Advanced Analytical Equipment and Performance Testing



Key Advantages of Kosram Industry



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Certified Advanced Technology-Validated Cleaning Performance

Superior Dyne pen Cleanliness and Cleaning Performance Compared to Conventional Solutions

Eco-Friendliness Verified by the Nationally Certified EL 605 Eco-Label



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Sales company
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82 Siheung-daero, Geumcheon-gu, Seoul
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