



# Leather Auxiliaries Product Classification Statistical Report

## Overall Summary

|                           |    |
|---------------------------|----|
| Total Number of Products: | 15 |
| Product Categories:       | 7  |

## Detailed Classification

### 1. Penetrating Agents (3 Products)

| No. | Product Name                              | Key Features  |
|-----|---|---|
| 1.1 | Leather Penetrating Agent PS1             | Unique penetration and washing ability for leather and PU leather, promotes subsequent coating and dyeing processes |
| 1.2 | Penetrating Agent JFC (Wetting Agent JFC) | High-efficiency penetration, wetting performance, with dispersing, emulsifying and cleaning properties              |
| 1.3 | Rapid Penetrating Agent OT                | Extremely strong penetration ( $\leq 5$ seconds), excellent wetting, emulsifying and foaming properties             |

**Application Areas:** *Leather pre-treatment, textile printing and dyeing, metal cleaning, etc.*

### 2. Brightening Agents (3 Products)

| No. | Product Name                              | Key Features   |
|-----|---|--|
| 2.1 | Top Coat Brightening Agent PUO-101        | Water-based aliphatic polyurethane oil, high-gloss micro-dispersion emulsion with excellent light and aging resistance |
| 2.2 | Leather Smoothing Brightening Agent PS326 | Special low-temperature film-forming effect, provides  |



|     |                           |   |
|-----|---------------------------|---|
|     | (Concentrated)            | dry smooth effect and appropriate gloss   |
| 2.3 | Leather Brightening Agent | Water-soluble organic silicon emulsion, strong abrasion resistance, bright luster |

**Application Areas:** *High-grade leather top coating and glazing, automotive leather, shoe leather, etc.*

### 3. Hand Feel Agents (3 Products)

| No. | Product Name                       | Key Features  |
|-----|------------------------------------|---|
| 3.1 | Dry Smooth Leather Hand Feel Agent | Excellent dry smoothness and gloss, improves tear strength and wrinkle resistance                   |
| 3.2 | Oil Wax Leather Hand Feel Agent    | Special modified silicone elastomer composition, long-lasting hand feel                             |
| 3.3 | Top Coat Hand Feel Wax             | New silicon wax hand feel agent with waterproof, oil-proof, anti-fouling and anti-static properties |

**Application Areas:** *Quality leather and synthetic leather finishing, finished leather products polishing*

### 4. Degreasing Agents (2 Products)

| No. | Product Name                      | Key Features  |
|-----|-----------------------------------|---|
| 4.1 | Degreasing Agent                  | Strong degreasing, wetting, washing and decontamination effects, suitable for raw hide and wet blue leather |
| 4.2 | Wool Washing Degreasing Agent DGF | Effective removal of oil from wool, easy rinsing, mild formula, safe and hygienic                           |

**Application Areas:** *Raw hide degreasing, wet blue leather treatment, fur manufacturing*

### 5. Fatliquoring Agents (2 Products)

| No. | Product Name                | Key Features   |
|-----|-----------------------------|--|
| 5.1 | Compound Fatliquoring Agent | Multiple modified oils compound, good emulsion stability, strong leather |



|     |                             |   |
|-----|-----------------------------|---|
|     |                             | penetration with obvious filling effect   |
| 5.2 | Combined Fatliquoring Agent | Natural oil as raw material, excellent dry cleaning, light and storage resistance performance |

**Application Areas:** *Garment leather, shoe upper leather, sofa leather and other high-grade soft leather*

### 6. Fixing Agent (1 Product)

| No. | Product Name   | Key Features   |
|-----|----------------|--|
| 6.1 | Fixing Agent Y | Improves dry and wet rubbing fastness, provides certain softness, smoothness and waterproofing |

**Application Areas:** *Split leather and suede surface dyeing fixation*

### 7. Matting Agent (1 Product)

| No. | Product Name  | Key Features  |
|-----|---------------|---|
| 7.1 | Matting Agent | Very strong matting properties with filling effect, does not affect hand feel |

**Application Areas:** *Matting and filling of pig, cattle, and sheep leather*



## Statistical Analysis

### Product Quantity Distribution

| Product Category    | Quantity  | Percentage  |
|---------------------|-----------|-------------|
| Penetrating Agents  | 3         | 20.0%       |
| Brightening Agents  | 3         | 20.0%       |
| Hand Feel Agents    | 3         | 20.0%       |
| Degreasing Agents   | 2         | 13.3%       |
| Fatliquoring Agents | 2         | 13.3%       |
| Fixing Agent        | 1         | 6.7%        |
| Matting Agent       | 1         | 6.7%        |
| <b>Total</b>        | <b>15</b> | <b>100%</b> |

### Product Application Process Flow

#### 1. Pre-treatment Stage

└─ Degreasing Agents → Penetrating Agents

#### 2. Tanning and Fatliquoring Stage

└─ Fatliquoring Agents

#### 3. Dyeing and Fixing Stage

└─ Fixing Agent

#### 4. Finishing Stage

└─ Matting Agent → Brightening Agents → Hand Feel Agents



## Notes and Specifications

### Product Numbering System

- **PS Series:** Leather-specific series
- **PUO Series:** Polyurethane oil series
- **DGF Series:** Degreasing agent series

### Environmental Characteristics

- Most products are water-based environmentally friendly formulations
- Comply with European, American and Japanese environmental requirements
- Non-toxic, transported as non-hazardous goods

### Product Features

- **Pre-treatment Products** (Penetrating Agents, Degreasing Agents): Focus on cleaning and penetration effects
- **Intermediate Treatment Products** (Fatliquoring Agents, Fixing Agent): Focus on stable and long-lasting performance
- **Finishing Products** (Brightening Agents, Hand Feel Agents, Matting Agent): Focus on appearance and tactile sensation

**Statistical Date:**

November 8, 2025

**Data Source:**

Leather Auxiliaries Series 251128.docx