

# Taian Green Industry Co., Ltd.

Tel: 86-156-6659-0861

E-mail: [greenindustry@163.com](mailto:greenindustry@163.com)

Web: [www.taiangreenindustry.com](http://www.taiangreenindustry.com)

## TECHNICAL DATA SHEETS

1. Product name:

Erucamide

2. Chemical Name:

Erucylamide;

Kemamide E;

Crodamide E;

Erucic acid amide;

(Z)-13-docosenamide;

Cis-13-docosenoamide

3. CAS No.:112-84-5/3061-72-1

4. MF:C22H43NO

5. MW:337.58

6. Technical specifications

Item	Specifications	Results
Appearance	White to off-white powder	White powder
Assay	≥99%	99.2%
Acid Value	≤0.2mg KOH/g	0.1mg KOH/g
Iodine Value	72~78g/100g	75g/100g
Color	≤2	1
Melting Point	77~85℃	82.8℃
Conclusion	The results conforms with enterprise standards	

7. Usage

Erucamide is a higher fatty acid amide and is one of the important derivatives of erucic acid. Erucamide is refined from vegetable oil. Due to its long unsaturated C22 chain and polar amine group, it has excellent surface polarity, high melting point and good thermal stability. Erucamide can be widely used as a substitute for other similar additives. Plastic, rubber, printing, machinery and other industries. As a processing aid for plastics such as polyethylene and polypropylene, it not only makes the

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products not bonded, increases lubricity, but also enhances the thermoplasticity and heat resistance of plastics, and the products are non-toxic, and foreign countries have allowed them to be used for food. In the packaging material. When the erucamide is blended into the rubber, the gloss, tensile strength and elongation of the rubber product can be improved, and the vulcanization promoting property and the abrasion resistance can be enhanced, and in particular, the effect of preventing the sun cracking can be achieved. Adding to the ink can increase the adhesion of the printing ink, scratch resistance, offset resistance, dye solubility, and the like. In addition, erucamide can also be used as a surface smoothing agent for wax paper, a protective film for metal, a foam stabilizer for detergents, and the like. Erucamide is mainly used as an excellent lubricant for extruded films of polyvinyl chloride, polyethylene and polypropylene. Adding about 0.1% erucamide to the resin can speed up the extrusion speed, and the product is slippery after molding, which can effectively prevent the phase adhesion between the films and facilitate the operation. At the same time, the plastic can also have antistatic properties. Erucamide is also used as a metal protective film, a dispersant for pigments and dyes, an additive for printing inks, a fiber oil agent, a release agent, a rubber compounding agent, and the like.

## 8. Package

25kg/drum