



# Suga<sup>®</sup>Nate 160NC

Toxicological Properties

Patent # 6,627,612 B1

**INCI NAME:** Sodium Laurylglucosides Hydroxypropylsulfonate

**CAS No.:** 742087-49-6

## **EYE IRRITATION**

HET-CAM: Hen's Egg Test Chorioallantoic Membrane

- Practically no ocular irritation potential *in vivo*, score of zero

MatTek Epi-Ocular: *In vitro* epidermal keratinocytes

- Results indicate **Suga<sup>®</sup>Nate 160** has a 'non-irritating' classification; Draize score of zero

## **ACUTE SKIN IRRITATION**

48-Hour Occlusive Skin Patch Test on Human Volunteers - 53 Test Subjects

- 53/53 subjects showed no visible skin reaction
- No potential for dermal irritation

## **SKIN SENSITIZATION**

Repeat Insult Patch Testing (HRIPT)

- **Suga<sup>®</sup>Nate 160** does not indicate a potential for dermal irritation or allergic contact sensitization

## **BIODEGRADABILITY**

OECD 301 Ready Biodegradability Test (301E)

- 80 - 82% biodegradable
- Exceeds 70% biodegradability requirement

## **BACTERIA REVERSE MUTATION ASSAY**

Ames Test, OECD 471

- No detectable genotoxic activity at the non-cytotoxic concentrations of **Suga<sup>®</sup>Nate 160**, neither in the absence nor in the presence of the S9 enzyme activation

## **AQUATIC TOXICITY - GREEN ALGAE**

USEPA OPPTS 840.5400 and USEPA Method 1003.0

72-Hour Growth Inhibition Test Using Freshwater Unicellular Green Algae

- IC50 = 52.9 mg/L

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