

## nonivamide 2444-46-4 MSDS

### Section 1. Chemical Product and Company Identification

Capsaicin, Synthetic      Catalog  
Common Name/  
Number(s).  
Trade Name  
CAS#      2444-46-4  
Manufacturer  
RTECS      RA8530000  
SPECTRUM CHEMICAL MFG. CORP.  
TSCA      TSCA 8(b) inventory:  
Capsaicin, Synthetic  
Commercial Name(s)      Not available.  
CI# Not available.  
Synonym      Pelargonic acid vanillylamide  
IN CASE OF EMERGENCY  
n-(hydroxy-4 methoxy-3 benzyl) methyl-8 nonen-6 amide (trans-)  
Chemical Name  
Chemical Family      Not available.      CALL (310) 516-8000  
C17H27NO3  
Chemical Formula  
SPECTRUM CHEMICAL MFG. CORP.

### Section 2. Composition and Information on Ingredients

Exposure Limits  
TWA (mg/m3)      STEL (mg/m3) CEIL (mg/m3)  
Name      CAS #      % by Weight  
1) Capsaicin, Synthetic      2444-46-4      100  
Toxicological Data      Capsaicin, Synthetic:  
on Ingredients      ORAL (LD50):      Acute: 190 mg/kg [Mouse].  
DERMAL (LD50): Acute: 512 mg/kg [Mouse].

### Section 3. Hazards Identification

Potential Acute Health Effects Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Hazardous in case of skin contact (permeator), of inhalation. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.  
Capsaicin, Synthetic  
CARCINOGENIC EFFECTS: Not available.

#### Potential Chronic Health

Effects      MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

The substance is toxic to lungs, mucous membranes.

Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an

highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

#### **Section 4. First Aid Measures**

**Eye Contact**      Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes,

keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

**Skin Contact**      After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin

with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin.

Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated

clothing before reusing.

**Serious Skin Contact**      Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate

medical attention.

**Inhalation**      Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation**      Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or

waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth

resuscitation. Seek medical attention.

**Ingestion**      Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible

indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen

tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth

resuscitation. Seek immediate medical attention.

**Serious Ingestion**

Not available.

## Section 5. Fire and Explosion Data

Flammability of the Product May be combustible at high temperature.

Auto-Ignition Temperature Not available.

Not available.

Flash Points

Not available.

Flammable Limits

Products of Combustion These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...).

Fire Hazards in Presence of Not available.

Various Substances

Explosion Hazards in Presence Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

of Various Substances

Fire Fighting Media SMALL FIRE: Use DRY chemical powder.

and Instructions LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Not available.

Special Remarks on

Fire Hazards

Special Remarks on Explosion Not available.

Hazards

Capsaicin, Synthetic

## Section 6. Accidental Release Measures

Small Spill Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill

Use a shovel to put the material into a convenient waste disposal container.

## Section 7. Handling and Storage

Precautions Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk,

evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not

breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical

advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly

closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate

locked safety storage cabinet or room.

## Section 8. Exposure Controls/Personal Protection

Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below

recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to

airborne contaminants below the exposure limit.

Personal Protection Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Gloves.

Personal Protection in Case of Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used

a Large Spill to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist

BEFORE handling this product.

Exposure Limits Not available.

## Section 9. Physical and Chemical Properties

Physical state and appearance Solid. Odor Not available.

Not available.

Taste

Molecular Weight 293.41 g/mole

Color Not available.

pH (1% soln/water) Not available.

Boiling Point Decomposes.

Melting Point 65°C (149°F)

Critical Temperature Not available.

Specific Gravity Not available.

Not applicable.

Vapor Pressure

Vapor Density Not available.

Not available.

Volatility

Odor Threshold Not available.

Water/Oil Dist. Coeff. Not available.

Ionicity (in Water) Not available.

Dispersion Properties See solubility in water, methanol, diethyl ether.

Easily soluble in methanol, diethyl ether.

Solubility

Very slightly soluble in cold water.

Capsaicin, Synthetic

## Section 10. Stability and Reactivity Data

The product is stable.

Stability

Instability Temperature Not available.  
Not available.  
Conditions of Instability  
Not available.  
Incompatibility with various  
substances  
Corrosivity Non-corrosive in presence of glass.  
Special Remarks on Not available.  
Reactivity  
Special Remarks on Not available.  
Corrosivity  
Polymerization No.

### Section 11. Toxicological Information

Routes of Entry Dermal contact. Eye contact. Inhalation. Ingestion.  
Toxicity to Animals Acute oral toxicity (LD50): 190 mg/kg [Mouse].  
Acute dermal toxicity (LD50): 512 mg/kg [Mouse].  
Chronic Effects on Humans The substance is toxic to lungs, mucous membranes.  
Other Toxic Effects on Very hazardous in case of skin contact (irritant), of ingestion.  
Humans Hazardous in case of skin contact (permeator), of inhalation.  
Special Remarks on Not available.  
Toxicity to Animals  
Special Remarks on Not available.  
Chronic Effects on Humans  
Special Remarks on other Not available.  
Toxic Effects on Humans

### Section 12. Ecological Information

Ecotoxicity Not available.  
BOD5 and COD Not available.  
Products of Biodegradation Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.  
The products of degradation are more toxic.  
Toxicity of the Products  
of Biodegradation  
Special Remarks on the Not available.  
Products of Biodegradation  
Capsaicin, Synthetic

### Section 13. Disposal Considerations

Waste Disposal

## Section 14. Transport Information

DOT Classification CLASS 6.1: Poisonous material.  
: Toxic solid, organic, n.o.s. (Capsaicin) : UN2811 PG: III  
Identification  
Not available.  
Special Provisions for  
Transport  
DOT (Pictograms)

## Section 15. Other Regulatory Information and Pictograms

TSCA 8(b) inventory: Capsaicin, Synthetic  
Federal and State  
Regulations  
California California prop. 65: This product contains the following ingredients for which the State of California has found  
to cause cancer which would require a warning under the statute: No products were found.  
Proposition 65  
Warnings  
California prop. 65: This product contains the following ingredients for which the State of California has found  
to cause birth defects which would require a warning under the statute: No products were found.  
Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).  
Other Classifications WHMIS (Canada) CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).  
CLASS D-2B: Material causing other toxic effects (TOXIC).  
DSCG (EEC) R38- Irritating to skin.  
R41- Risk of serious damage to eyes.  
Health Hazard  
HMIS (U.S.A.) 3 National Fire Protection  
1 Flammability  
1 Association (U.S.A.)  
Fire Hazard  
3 0 Reactivity  
Health  
Reactivity  
0  
Specific hazard  
Personal Protection  
E  
WHMIS (Canada)  
(Pictograms)  
DSCG (Europe)  
(Pictograms)

TDG (Canada)

(Pictograms)

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Capsaicin, Synthetic

ADR (Europe)

(Pictograms)

Protective Equipment

Gloves.

Lab coat.

Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

## **SECTION 16 - ADDITIONAL INFORMATION**

N/A