

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

### Identification of the Substance:

**Trade Name:** WINSENSE(TM) WS-3

**Chemical Name:** CYCLOHEXANECARBOXAMIDE, N-ETHYL-5-METHYL-2-(1-METHYLETHYL)-

**Use of the Substance:** Flavor ingredient

### Company Identification:

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LyondellBasell Flavors & Fragrances, LLC P.O. Box 389 Jacksonville, FL 32201, USA Telephone: 904-768-5800 Fax:904-768-2200	European Headquarters LyondellBasell Flavors & Fragrances, LLC C/O SCM EUROPE Place de l'ALBERTINE 2 B-1000 Brussels - Belgium Telephone: +32.2.289.05.10 Fax:+32.2.289.05.90
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Emergency Telephone: CHEMTREC: (USA, Canada): 1-800-424-9300 ;(All Others): 703-527-3887

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number	EINECS Number	Ingredient	Typical Weight %
39711-79-0	254-599-0	N-ETHYL-PARA-MENTHAN-3-CARBOXAMIDE (WS-3)	99.40

### EU Classifications (refer to Section 16 for descriptions):

Symbol(s)	Risk Phrase Code(s)	Safety Phrase Code(s)
Xi	R36	S25

## 3. HAZARDS IDENTIFICATION

This substance is classified as dangerous according to EU Directive 1999/45/EC.

### Potential Health Effects

#### Acute Health Effects:

Contact of eyes with the substance may cause irritation.

#### Chronic Health Effects:

Not Determined.

## 4. FIRST AID MEASURES

The information contained in this MSDS relates to this specific product. The information may not be valid if the product is used in combination with any other materials or in any process. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use.

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Supersedes 05/31/2007  
Date Printed 05/11/2010

### Inhalation:

If the vapor concentration in the area is high, seek fresh air immediately.  
If breathing is difficult, seek medical advice.

### Eye Contact:

Flush with water for at least 15 minutes. If irritation develops, get medical attention.

### Skin Contact:

Remove contaminated clothing. Wash affected areas with plenty of soap and water. If irritation develops, seek medical advice.

### Ingestion:

Drink lots of water to dilute substance. Get medical attention immediately or contact a poison control center for advice.

## 5. FIRE FIGHTING MEASURES

### Suitable Fire Extinguishing Media:

Carbon dioxide, dry chemical, foam.

### Unsuitable Fire Extinguishing Media:

If water must be used, use as a spray only.

### Special Exposure Hazards:

Avoid heat, sparks and open flames.

### Hazardous Decomposition Products:

Carbon dioxide, carbon monoxide, oxides of nitrogen, acrid fumes.

### Special Protective Equipment for Fire Fighters:

Standard gear for combustible solids.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Standard gear for combustible solids.

### Environmental Precautions:

Do not allow the substance or solutions of the substance to be discharged into lakes, streams, ponds or public waters.

### Cleanup Procedures:

The material may be scooped into closed containers for recovery or disposal.

## 7. HANDLING AND STORAGE

### Handling:

Wear safety glasses or goggles, rubber gloves and apron when handling material. If transferring to or from the container, use proper grounding procedures.

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**Storage:**

Do not store in close proximity to excessive heat, open flames, strong acids or strong bases. To minimize product degradation, avoid prolonged exposure of the substance to air. Keep container tightly closed when not in use.

**Ventilation:**

Ventilation is not normally required.

**Safety Stations:**

An eyewash station should be readily available and clearly marked.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits:**

None found.

**Exposure Controls:**

**Respiratory Protection:**

A respirator is not normally required. If vapor concentration is suspected to be high, use a NIOSH approved organic vapor respirator

**Eye Protection:**

Wear safety glasses or goggles.

**Hand Protection:**

Wear standard industrial type rubber gloves.

**Personal Hygiene:**

Wash hands and other exposed areas of skin with soap and water after handling the material.

**Environmental Controls:**

No environmental exposure controls required under Community environmental protection laws.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General Information:**

**Property**

**Result**

**Appearance:**

White crystalline solid.

**Odor:**

Slight menthol odor.

**Important Health, Safety and Environmental Information:**

**Property**

**Result**

**pH:**

Not determined.

**Boiling Point:**

Not Determined.

**Flash Point:**

212F (100C) (Tag Closed Cup)

**Melting Point:**

189-216F (87-102C) (Differential Scanning Calorim

**Flammability:**

Not determined.

**Explosive Properties:**

Minimum explosable concentration = 0.03g/L.

**Oxidizing Properties:**

Not Determined

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Vapor Pressure: Not Determined.  
 Solubility in Water (Weight%): <0.1  
 Solubility in Alcohol(Weight%): 100  
 Fat Solubility: Not Determined.  
 Partition Coefficient (n-Octanol/Water): Not determined  
 Viscosity: Not determined.  
 Vapor Density (air=1): >1  
 Evaporation Rate (Butyl Acetate=1): Not determined.  
 Autoignition Temperature: Not Determined.  
 Volatiles (Weight%): 0  
 Specific Gravity: Not Determined.

## 10. STABILITY AND REACTIVITY

**Stability:**

Substance is stable and unreactive under conditions of normal use.

**Conditions to Avoid:**

Prolonged or excessive heat and/or exposure to air may cause non-hazardous decomposition and/or oxidation of the substance.

**Materials to Avoid:**

Avoid contact with strong acids and bases.

**Hazardous Decomposition Products:**

Carbon dioxide, carbon monoxide, oxides of nitrogen, acrid fumes.

## 11. TOXICOLOGICAL INFORMATION

Primary Target Organs: Eyes  
 Primary Entry Route(s): Eyes.  
 Medical Conditions Aggravated by Overexposure No known conditions.

**Acute Toxicity:**

<u>Parameter</u>	<u>Result</u>
Acute Oral Toxicity:	LD50 (mice): 5300 mg/kg.
Acute Inhalation Toxicity:	Not determined.
Acute Dermal Toxicity:	Not determined
Eye Irritancy:	Mildly irritating to eyes. Can cause a temporary local anaesthetic action on the eye.
Dermal Irritancy:	Mildly irritating to rabbit skin.
Skin Sensitization:	Not a sensitizer.
Mutagenicity:	Non-Mutagenic (Ames test)
Teratogenicity:	Not a teratogen.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity: Not determined.  
 Mobility: Not determined.

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**Persistence and Degradability:** Not determined  
**Bioaccumulation Potential:** Not determined.  
**Ozone Depleting Substances:** None.

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods:** This material, if discarded, is not considered a hazardous waste by EPA regulations 40 CFR 261.  
**Safe Handling of Wastes:** Refer to Section 8 for information pertaining to personal protective equipment and exposure controls when handling this material for disposal.  
**Community Provisions:** Dispose of this material at a local, state or federally approved landfill, incinerator or recovery facility.

**14. TRANSPORT INFORMATION**

**Label Codes:** None.  
**DOT Proper Shipping Name (Bulk):** Chemicals  
 n.o.i.(n-Ethyl-5-methyl-2-(1-methylethyl)-cyclohexanecarboxamide)  
**DOT Proper Shipping Name (Non-Bulk):** Chemicals  
 n.o.i.(n-Ethyl-5-methyl-2-(1-methylethyl)-cyclohexanecarboxamide)  
**Marine Pollutant:** No.

**15. REGULATORY INFORMATION**

**Chemical Inventories Status:**  
**USA (TSCA):** Compliant  
**European Community (EINECS):** Compliant  
**Canada (DSL):** Compliant  
**Australia (AICS):** Compliant  
**Japan (IEC):** Compliant  
**Korea (KECI/ECL):** Not Compliant  
**Philippines (PICCS):** Compliant  
**China (SEPA/CICS):** Compliant

**USA: Federal:**  
**SARA Title III Section 302/304:** None.  
**SARA Title III Section 311/312:** Yes  
**SARA Title III Section 313:** None.  
**Hazardous Air Pollutants:** None.

**USA: States:**  
 None.

**International:**  
 Not Determined.

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### 16. OTHER INFORMATION

#### EU Classifications:

**Symbol Code(s):** Xi  
**Symbol Phrase(s):** IRRITANT  
**Risk Phrase Codes:** R36  
**Risk Phrases:** Irritating to eyes.

**Safety Phrase Codes:** S25  
**Safety Phrases:** Avoid contact with eyes.

#### U.S. NPCA/HMIS Hazardous Materials Information System

Health	Flammability	Reactivity	Personal Protection*
1	1	1	C

- 0 - Minimal Hazard: No significant risk to health.  
1 - Slight Hazard: Irritation or minor reversible injury possible.  
2 - Moderate Hazard: Temporary or minor injury may occur.  
3 - Serious Hazard: Major injury likely unless prompt action is taken and medical treatment is given.  
4 - Severe Hazard: Life-threatening, major or permanent damage may result from single or repeated exposures.  
\* This rating will generally suffice for normal operating conditions. Please note however, that the type of personal protection utilized may change based on specific use conditions (refer to Section 8).

#### Reason(s) for (Re)issue:

Legal entity change.

#### Technical Contact(s):

Environmental and Regulatory Affairs Dept.

#### References:

RIFM - Research Institute for Fragrance Materials RTECS- Registry of Toxic Effects of Chemical Substances

#### Acronyms:

NTP(National Toxicology Program); IARC (International Agency for Research on Cancer); OSHA (Occupational Health and Safety Administration); DOT (U.S. Dept. of Transportation)