

MATERIAL SAFETY DATA SHEET

Product No.: F199

Tasimelton VEC-162

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	Tasimelton (VEC-162)
Other name	(1R,2R)-N-[2-(2,3-Dihydrobenzofuran-4-yl)-cyclopropylmethyl]propanamide; Tasimelton.
Product use	Treatment of Non-24 Hour disorder in totally blind.
Manufacturer name and address	FORMOSA LABORATORIES, INC. No. 36, Hoping Street, Louchu County, Taoyuan, Taiwan, 33842
Emergency phone number	886-3-3240895

2. HAZARDS IDENTIFICATION

Hazard classification	Hazard symbol: none Signal Word: none
Label elements	P281: Use personal protective equipment as required. P312: Call a POISON CENTER or doctor/physician if you feel unwell.

3. COMPOSITION INFORMATION

CAS no.	609799-22-6
Formula	C ₁₅ H ₁₉ NO ₂
Molecular weight	245.32
Ingredients percentage	98~102% (dried basis)

4. FIRST AID MEASURES

First aid measures for different exposure routes	
After inhalation	Leave contaminated area. Supply fresh air. If required, provide artificial respiration. Seek immediate medical advice.
After skin contact	Remove contaminated clothing, jewelry, and shoes at once. Immediately wash with water and rinse thoroughly. Seek immediate medical advice.
After eye contact	Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing	Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek immediate medical advice.

5. FIREFIGHTING MEASURES

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Suitable extinguishing agents	Extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special hazards emitted	Carbon oxides
Special firefighting procedure	no data available
Protective equipment for firefighter	Wear self-contained breathing apparatus (SCBA). Wear fully protective impervious suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions and Protective equipment	Do not inhale vapor or gas or dust. Wear protective equipment. Cordon off the spill area. Keep unprotected persons away. Ensure adequate ventilation.
Environmental precautions	Do not allow material to be released to the environment without proper governmental permits. Dispose of absorbed material in accordance with the local regulations.
Cleaning up methods	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. SAFETY HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed.
Storage	Stored at or below 25° and prevented moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering control	Properly operating chemical fume hood designed for hazardous chemicals.
Permissible exposure limit (PEL-TWA8h/ PEL-STEL/ PEL-C)	no data available
Biomarker	no data available
Personal protective equipment (PPE)	
Breathing equipment	Use NIOSH/MSHA approved respirator when high concentrations are

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	present.
Protection of hands	Chemical resistant rubber gloves. Check protective gloves prior to each use for their proper condition.
Eye protection	Safety glasses.
Body protection	Protective impervious clothing.
Hygienic measure	The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (form and color)	White to off-white powder.	Odor	no data available
Odor threshold	no data available	Melting point	73~77?
pH value (in water at 1.1mg/mL, and 24±3°C)	8.5	Boiling point	442.553°C
Flammability	no data available	Ignition temperature	no data available
Explosion limits	no data available	Decomposition temperature	no data available
Evaporation rate	no data available	Flash point	no data available
Vapor pressure	no data available	Vapor density	no data available
Density	no data available	Solubility	In methanol >500mg/mL In water: 1.1 mg/mL
Partition coefficient (P _{o/w} at pH 7.2, and 24±3°C)	267 (log P = 2.43)	Hygroscopicity	Non-hygroscopic

10. STABILITY AND REACTIVITY

Stability	Decomposition will not occur if used and stored according to specifications.
Possibility of hazardous reactions in special condition	no data available
Conditions to be avoided	no data available

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Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity (oral)	Maximum non-lethal dose: Mouse: 400mg/kg Rat: 1750 mg/kg
Irritation / Sensitization	Eye: Mild Skin irritation: Not sensitizing
Chronic toxicity or Long-term toxicity	1 month oral: Rat; NOAEL Liver, kidney 25mg/kg/day 1 month oral: Monkey; NOEL liver 15 mg/kg/day 3 months oral: Mouse ; NOAEL CNS, liver 100 mg/kg/day 6 months oral: Rat; NOAEL CNS, hematologic, liver, kidney 3mg/kg/day
Genetic Toxicity	Not Carcinogenic Bacterial Mutagenecity (Ames) <i>Salmonella</i> , <i>E.Coli</i> : Negative <i>In Vitro</i> Chromosome Aberration; human Lymphocytes: Negative <i>In Vivo</i> Micronucleus; Oral, rat bone marrow: Negative

12. ECOLOGICAL INFORMATION

Ecological Toxicity	no data available
Persistence and Degradability	no data available
Bio-accumulative Potential	no data available
Mobility in Soil	no data available
Additional Adverse Effect	no data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods	Dispose the waste in accordance with all applicable Federal, State and local laws. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
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14. TRANSPORTATION INFORMATION

Not a hazardous material for transportation. (Not restricted according to IATA DGR regulation)	
UN Number	no data available
UN Proper Shipping Name	no data available
Hazards Classification	no data available
Packing Group	no data available
Environmental/Sea Pollutants	no data available
Special Transportation Methods and Precautions	no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.	
Applicable Code	no data available

16. OTHER INFORMATION

Reference	no data available
Issue Date	Oct. 31, 2013
Important Statement	While the descriptions, designs, data and information contained herein are presented in good faith but without express or implied warranty, it is provided for your guidance only. Because many factors may affect processing or application/ use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use.