

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078922400

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078922397 078922399 078922401 078922402 078928814



## SAFETY DATA SHEET

Version Date: 28 May 2015  
Supersedes: None

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Canine Dental Chews  
**Trade Name(s):** ORAVET DENTAL HYGIENE CHEWS

The following information is intended to give general health and safety guidance on the manufacturing, storage and transport of the mixture. Professional and non-professional users should consult label and package inserts for the proper use, storage and disposal of this mixture.

**Chemical Family:** Mixture: hydrochloride salt of delmopinol, water, cellulose, flavorings  
**Chemical Name:** Mixture - None  
**Synonyms:** None  
**Formula:** None  
**Product Use:** ORAVET DENTAL HYGIENE CHEWS is dental chew that significantly reduces plaque and calculus in dogs.

**COMPANY ADDRESS** Merial Limited  
3239 Satellite Boulevard  
Duluth, Georgia 30096-4640

**EMERGENCY INFORMATION:**  
**HEALTH INFORMATION** 1-888-637-4251, option 3 (U.S.A. and Canada)  
**SPILL INFORMATION** CHEMTREC® (In the U.S.A.): 1-800-424-9300  
CHEMTREC® (International): 1-703-527-3887 (call collect)

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Do not eat, drink, or smoke when handling this mixture. Wash hands thoroughly after handling.

#### POTENTIAL HEALTH EFFECTS

**The following potential human health effects are the results of the exposure to the mixture or extrapolated from the individual ingredients of the mixture.**

**EYE:** The mixture is not anticipated to be irritating to the eyes.  
**SKIN:** The mixture is not anticipated to produce skin irritation or sensitization.  
**INHALATION:** The mixture is not anticipated to produce vapors in a sufficient quantity that would be irritating to eyes, skin, nose and/or throat.  
**INGESTION:** The mixture is not anticipated to be harmful if swallowed.

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CHRONIC EFFECTS:	The mixture is not anticipated to be carcinogenic, mutagenic, a reproductive toxin or a developmental toxin.
SIGNS AND SYMPTOMS OF EXPOSURE:	Signs and symptoms of exposure may include fresh smelling breath and a healthy smile.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Proportion % w/v
Non Hazardous		100

### 4. FIRST AID MEASURES

<b>EYE CONTACT:</b>	In case of eye contact or if eyes become irritated during administration, immediately flush eyes with plenty of water for at least 15 minutes. If ocular irritation persists, seek medical attention.
<b>SKIN CONTACT:</b>	If skin or hair contact occurs or if skin becomes irritated during administration, remove contaminated clothing and shoes and flush skin and/or hair with plenty of water for at least 15 minutes. Launder contaminated clothing before reuse. If skin irritation develops and persists or recurs, seek medical attention.
<b>INHALATION:</b>	If inhaled, remove from contaminated area. Administer artificial respiration if not breathing. If lungs become irritated or breathing is difficult during use of the product, move to fresh air and seek medical attention.
<b>INGESTION:</b>	If swallowed, do NOT induce vomiting and seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	When heated to decomposition, may produce oxides of carbon and nitrogen.
<b>EXTINGUISHING MEDIA:</b>	Carbon dioxide, dry chemical extinguishers, foam, water fog or spray. Large fires with "alcohol"-type foam extinguishers. Use extinguishing media appropriate for surrounding materials.
<b>PROTECTION OF FIREFIGHTERS:</b>	Fire fighters should wear approved/certified positive pressure self-contained breathing apparatus and full protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

**For transportation-related and large spills call CHEMTREC at 1-800-424-9300. If outside the U.S.A., call CHEMTREC collect at 1-703-527-3887.**

For solid spills, use protective equipment as prescribed in Section 8. Sweep up and place in properly labeled containers. Dispose contaminated material in sealed container as waste according to Section 13. For liquid spills, allow mixture to solidify and then follow the protocol detailed above.

**PERSONAL PRECAUTIONS:** Evacuate unnecessary personnel and eliminate all sources of ignition. Follow protective measures provided under Personal Protection in Section 8.

**ENVIRONMENTAL PRECAUTIONS:** None.

**METHODS FOR CLEANING UP:** For small spills, Sweep up and place in properly labeled containers. Clean affected area with soap and water. Dispose of materials according to the applicable international, national, regional, state, or local regulations.

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## 7. HANDLING AND STORAGE

**HANDLING:** No special control measures are required during the normal use of this product. Do not eat, drink, or smoke while using this mixture. Keep away from incompatible materials (see Section 10).

**PROTECTION AGAINST EXPLOSION AND FIRES:** No special storage required for hazard control. For product protection, follow storage recommendations noted on the product case label, the primary container label, or the product insert.

**STORAGE:** Store in a well-ventilated place. Keep cool.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (INDUSTRIAL)

**ENGINEERING CONTROLS:** Use local exhaust ventilation to prevent accumulation of vapors.

**EYE / FACE PROTECTION:** Wear chemical splash goggles when cleaning spilled mixture or if the potential for eye contact exists, wear safety glasses with side shields for normal handling.

**SKIN PROTECTION:** Wear butyl rubber, neoprene, vinyl or other chemical resistant impervious gloves.

**RESPIRATORY PROTECTION:** Wear approved/certified respirator when cleaning up spills. For normal use, ensure adequate exhaust ventilation.

**GENERAL HYGIENE CONSIDERATIONS:** Do not eat, drink, or smoke while using this mixture. Wash hands thoroughly after use.

**OTHER:** Provide emergency shower and eyewash facility in close proximity to use. Remove contaminated clothing and launder before reuse or discard.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid
<b>Color:</b>	Green/White
<b>Odor:</b>	None listed
<b>pH:</b>	No data
<b>Solubility in Water:</b>	No data
<b>Specific gravity at 20°C (68°F):</b>	No data
<b>Viscosity:</b>	No data
<b>Melting/Freezing Point:</b>	124F/51C
<b>Boiling Point:</b>	No data
<b>Flash Point:</b>	No data
<b>Flammability:</b>	No data
<b>Lower Explosive Limit:</b>	No data
<b>Upper Explosive Limit:</b>	No data
<b>Autoignition Temperature:</b>	This product is not self-igniting
<b>Decomposition Temperature:</b>	No data
<b>Vapor Pressure:</b>	No data
<b>Vapor Density:</b>	No data
<b>Partition Coefficient (n-octanol/Water):</b>	No data
<b>Partition Coefficient (n-octanol/Air):</b>	No data
<b>Soil Partition Coefficient:</b>	No data

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## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable under normal conditions.
<b>CONDITIONS TO AVOID:</b>	Avoid exposure to heat, sparks, or flame.
<b>MATERIALS TO AVOID:</b>	Avoid strong oxidizing agents
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	When heated to decomposition may produce oxides of carbon and nitrogen as well as other uncharacterized decomposition products.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

<b>POTENTIAL EXPOSURE ROUTES:</b>	This mixture may be encountered through skin contact, eye contact or ingestion.
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**ACUTE TOXICITY DATA:** The following toxicity data are derived from the ingredients of the mixture, and are considered relevant to the final mixture.

Parameter	Result	Comments
<b>Acute Oral (LD<sub>50</sub>)</b>	Non-hazardous (GHS) Exceed requirements for Classification	Classification of the mixture was based on information/data of the individual ingredients and their corresponding concentration within the mixture
<b>Acute Dermal (LD<sub>50</sub>)</b>	Non-hazardous (GHS) Exceed requirements for Classification	Classification of the mixture was based on information/data of the individual ingredients and their corresponding concentration within the mixture
<b>Acute Inhalation (LC<sub>50</sub>)</b>	NE	Due to the low vapor pressure of ingredients, the mixture does not pose a respiratory hazard.
<b>Ocular Irritant</b>	Non-irritating (GHS)	Classification of the mixture was based on information/data of the individual ingredients and their corresponding concentration within the mixture
<b>Dermal Irritant</b>	Non-irritating (GHS)	Classification of the mixture was based on information/data of the individual ingredients and their corresponding concentration within the mixture
<b>Dermal Sensitizer</b>	Non-sensitizing (GHS)	Classification of the mixture was based on information/data of the individual ingredients and their corresponding concentration within the mixture

NE = Not Established

*The following toxicity data are derived from the ingredients of the mixture, and are considered relevant to the final mixture.*

**CARCINOGENICITY:**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**MUTAGENICITY:**

No component of this product present at levels greater than or equal to 0.1%, is identified as a known or anticipated mutagenic toxin.

<b>REPRODUCTIVE EFFECTS:</b>	No component of this product present at levels greater than or equal to 0.1%, is identified as a known or anticipated reproductive toxins.
<b>TERATOGENICITY/ DEVELOPMENTAL EFFECTS:</b>	No component of this product present at levels greater than or equal to 0.1%, is identified as a known or anticipated teratogenic or developmental toxins.
<b>SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:</b>	None known.
<b>SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:</b>	None known.
<b>INTERACTIONS WITH OTHER CHEMICALS WHICH ENHANCE TOXICITY:</b>	None known

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## 12. ECOLOGICAL INFORMATION

The following toxicity data are derived from the ingredients of the mixture, and are considered relevant to the mixture.

<b>TOXICITY:</b>	None of the ingredients in the mixture are considered to be an environmental hazard.
<b>PERSISTENCE AND DEGRADABILITY:</b>	None of the ingredients in the mixture are considered to persist in the environmental.
<b>BIOACCUMULATION POTENTIAL:</b>	None of the ingredients in the mixture are considered to bioaccumulate in the environment.
<b>MOBILITY IN SOIL:</b>	None of the ingredients in the mixture are considered to have a high probability of mobility through the soil.

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## 13. DISPOSAL CONSIDERATIONS

**Responsibility for proper waste disposal is with the owner of the waste.** Dispose of all waste mixture and containers in accordance with national, regional, state and local regulations.

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## 14. TRANSPORT INFORMATION

<b>Air Transport ICAO-TI and IATA-DGR:</b>	ICAO/IATA Class:	Not Regulated
	UN/ID Number:	-
	Label:	-
	Packing Group:	-
	Proper Shipping Name:	-

<b>Maritime Transport IMDG:</b>	IMDG Class:	Not Regulated
	UN Number:	-
	Label:	-
	Packaging Group:	-
	EMS Number:	-
	Marine Pollutant: Proper Shipping Name:	-
<b>Land Transport ADR/RID: (cross-border)</b>	ADR/RID Class:	Not Regulated
	Danger Code (Kemler):	-
	UN Number:	-
	Packaging Group: Proper Shipping Name:	-
<b>USDOT Regulations:</b>	Hazard Class:	Not Regulated
	Identification Number:	-
	Packing Group:	-
	Proper Shipping Name: (technical name)	-

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## 15. REGULATORY INFORMATION

<b>GHS Hazard Phrase:</b>	None	
<b>GHS Precautionary Phrases - Prevention:</b>	P280	Wear protective gloves/protective clothing/eye protection/face protection
<b>GHS Precautionary Phrases - Response:</b>	P313/P316 P313 + P312	Call a POISON CENTER or doctor/physician if you feel unwell.
<b>GHS Precautionary Phrases - Disposal:</b>	P501	Dispose of contents/container to in accordance with local/regional/national/international regulation.

### United States:

This mixture is exempt from classification under Environmental Protection Agency (EPA) Superfund Amendments and Reauthorization Act (SARA), Hazardous Substances List or Toxic Substances Control Act (TSCA)

### Canada:

This mixture is exempt from classification under WHMIS Requirements of the *Hazardous Products Act* and Controlled Products Regulations.

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## 16. OTHER INFORMATION

Information contain within this document was based on the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) (a.k.a. Purple Book).



**KEY/LEGEND USED:** NE = Not Established  
LD<sub>50</sub> = The median lethal dose where 50% mortality is noted  
LC<sub>50</sub> = The median lethal concentration (in air or solution) where 50% mortality is noted

**REVISION:** Origination of SDS.

**DISCLAIMER:** The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or mixture should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

To the best of our knowledge, the information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate. However, neither Merial nor any of its subsidiaries or parents assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described herein, Merial cannot guarantee that these are the only hazards that exist.