

## Safety Data Sheet per OSHA HazCom 2012



#### Pr Ketonrofen duct n

	eviewed on 09/08/2011
Product name: Ketoprofen	
•	(Contd. of page 1)
4 First-aid measures	(00.nai 0. p. 32 - ),
Description of first aid measures	
General information	
Immediately remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest provide artificial respiration.	
After inhalation Supply fresh air, If required, provide artificial respiration, Keep patient warm,	
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact	
<b>After skin contact</b> Immediately wash with water and soap and rinse thoroughly.	
Seek immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.	
After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Do not induce vomiting; immediately call for medical help. Information for doctor	
Most important symptoms and effects, both acute and delayed No further relevant information available.	
Indication of any immediate medical attention and special treatment needed No further relevant information available.	
5 Fire-fighting measures	
Extinguishing media	
Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant for Special hazards arising from the substance or mixture	am.
If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide	
Advice for firefighters	
Protective equipment: Wear self-contained respirator.	
Wear fully protective impervious suit.	
6 Accidental release measures	
Personal precautions, protective equipment and emergency procedures	
Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation	
Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up:	
Dispose of contaminated material as waste according to section 13.	
Ensure adequate ventilation. <b>Prevention of secondary hazards:</b> No special measures required. <b>Reference to other sections</b>	
Reference to other sections See Section 7 for information on safe handling	
See Section 8 for information on personal protection equipment.	
See Section 13 for disposal information.	
7 Handling and storage	
Handling Breeswiens for sets handling	
Precautions for safe handling Keep container tightly sealed.	
Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace.	
Information about protection against explosions and fires: No information known.	
Conditions for safe storage, including any incompatibilities Storage	
Requirements to be met by storerooms and receptacles: No special requirements.	
Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions:	
Keep container tightly sealed.	
Store in cool, dry conditions in well sealed containers. <b>Specific end use(s)</b> No further relevant information available.	
8 Exposure controls/personal protection	
Additional information about design of technical systems:	
Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.	
Control parameters Components with limit values that require monitoring at the workplace: Not required.	
Additional information: No data	
Exposure controls	
Personal protective equipment General protective and hygienic measures	
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.	
Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. <b>Breathing equipment:</b> Use suitable respirator when high concentrations are present.	
Protection of hands:	
Impervious gloves Check protective gloves prior to each use for their proper condition.	
The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Penetration time of glove material (in minutes) Not determined	
Eve protection: Safety glasses	
Body protection: Protective work clothing.	
9 Physical and chemical properties	
Information on basic physical and chemical properties General Information	
Appearance:	
Form: Powder	(Contd. on page 3)
	USA USA

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### Product name: Ketoprofen

Color:	(Contd. of page 2) White to off-white	
Odor:	Not determined	
Odor threshold:	Not determined.	
pH-value: Change in condition	Not applicable.	
Melting point/Melting range:	92-97 °C (198-207 °F)	
Boiling point/Boiling range:	Not determined	
Sublimation temperature / start: Flammability (solid, gaseous)	Not determined Not determined.	
Ignition temperature:	Not determined	
Decomposition temperature: Auto igniting:	Not determined Not determined.	
Danger of explosion:	Not determined.	
Explosion limits:	Net determined	
Lower: Upper:	Not determined Not determined	
Vapor pressure:	Not applicable.	
Density: Relative density	Not determined Not determined.	
Vapor density	Not applicable.	
Evaporation rate Solubility in / Miscibility with	Not applicable.	
Water:	Not determined	
Partition coefficient (n-octanol/water) Viscosity:	Not determined.	
dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under recom	nended storage conditions. <b>o be avoided:</b> Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions No	o be avoided: Decomposition with not occur it used and stored according to specifications.	
<b>Conditions to avoid</b> No further relevant	t information available.	
Incompatible materials: Oxidizing age Hazardous decomposition products:	us Carbon monoxide and carbon dioxide	
11 Toxicological information		
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Information on toxicological effects Acute toxicity:		
Toxic if swallowed.		
The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for components in this product. LD/LC50 values that are relevant for classification:		
Oral LD50 62.4 mg/kg (rat)		
Skin irritation or corrosion: Causes sk		
Eye irritation or corrosion: Causes serious eye irritation. Sensitization: No sensitizing effects known.		
Germ cell mutagenicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains mutation data for this substance.		
Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA_IARC_NTP_OSHA or ACGIH		
Reproductive toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive data for this substance. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation.		
Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known.		
Subacute to chronic toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance.		
Additional toxicological information:	To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
12 Ecological information		
Toxicity		
Aquatic toxicity: No further relevant inf	ormation available.	
Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available.		
Mobility in soil No further relevant infor	mation available.	
Additional ecological information: General notes:		
Do not allow material to be released to t	he environment without proper governmental permits.	
Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment.		
Results of PBT and vPvB assessment		
PBT: Not applicable. vPvB: Not applicable.		
Other adverse effects No further releva	ant information available.	
13 Disposal considerations		
Waste treatment methods		
<b>Recommendation</b> Consult state, local or national regulations to ensure proper disposal.		
Uncleaned packagings: Recommendation: Disposal must be m		
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14 Transport information		
UN-Number DOT, IMDG, IATA	UN2811	
UN proper shipping name	GINZOTT	
DOT	Toxic solids, organic, n.o.s. (Ketoprofen)	
	(Contd. on page 4)	

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Product name: Ketoprofen		
	(Contd. of page 3)	
IMDG, IATA	TOXIC SOLID, ORGANIC, N.O.S. (Ketoprofen)	
Transport hazard class(es)		
DOT		
1 courses		
Class	6.1 Toxic substances.	
Label Class	6.1 6.1 (T2) Toxic substances	
Label	6.1 (T2) Toxic substances 6.1	
IMDG, IATA		
Class	6.1 Toxic substances.	
Label	6.1	
Packing group DOT, IMDG, IATA	111	
Environmental hazards:	Not applicable.	
Special precautions for user	Warning: Toxic substances	
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.		
Transport/Additional information:		
DOT		
Marine Pollutant (DOT):	No	
UN "Model Regulation":	UN2811, Toxic solids, organic, n.o.s. (Ketoprofen), 6.1, III	
15 Regulatory information		

Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms



Signal word Danger Hazard statements H301 Toxic if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements P261 Avoid bro P280 Wear pro Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/... P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. P405 P501 P501 Dispose of contents/container in accordance with local/regional/national/international regulations. National regulations All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. All components of this product are listed on the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed. Substance is not listed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Department
Date of preparation / last revision 11/24/2015 / Abbreviations and acronyms:
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Conformative Code for Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Aritime Code for Dangerous Goods
DT: US Department of Transport des content of the American Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
HMIS: Hazardous Materials Information System (Canada)
UE400: International contents of Guvernent USAN
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal concentration, 50 percent
UD50: Lethal concentration, 50 percent
VP-W: very Persistent and very Bioaccumulative
ACGIH: American Conference of Governmental Industrial Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)

### Product name: Ketoprofen

NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) Page 5/5 Printing date 11/24/2015 Reviewed on 09/08/2011

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