

SAFETY DATA SHEET

1. Identification

Product identifier	Amoxapine		
Other means of identification			
Catalog number	1031401		
Chemical name	Dibenz[b,f][1,4]oxazepine, 2-ch	loro-11-(1-pipe	erazinyl)-
Recommended use	Specified quality tests and assa	ay use only.	
Recommended restrictions	Not for use as a drug. Not for a	dministration to	b humans or animals.
Manufacturer/Importer/Supplier/	Distributor information		
Company name Address	U. S. Pharmacopeia 12601 Twinbrook Parkway Rockville MD 20852-1790 US		
Telephone	RS Technical Services	301-816-812	9
Website	www.usp.org		
E-mail	RSTECH@usp.org CHEMTREC within US &	1-800-424-93	300
Emergency phone number	Canada	1-000-424-90	
	CHEMTREC outside US & Canada	+1 703-527-3	3887
2. Hazard(s) identification			
Physical hazards	Not classified.		
Health hazards	Acute toxicity, oral		Category 4
	Specific target organ toxicity, si exposure	ngle	Category 3 narcotic effects
OSHA hazard(s)	Not classified.		
Label elements			
Signal word	Warning		
Hazard statement	Harmful if swallowed. May cause drowsiness or dizziness.		
Precautionary statement			
Prevention	Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.		
Response	If swallowed: Call a poison center/doctor// if you feel unwell. Rinse mouth. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor// if you feel unwell.		
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.		
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.		
Hazard(s) not otherwise classified (HNOC)	Not classified.		

3. Composition/information on ingredients

Substance			
Hazardous components Chemical name	Common name and synonyms	CAS number	%
Amoxapine		14028-44-5	100
1 First aid massures			

4. First-aid measures

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.	
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.	
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.	
Most important symptoms/effects, acute and delayed	Narcotic effects.	
Indication of immediate medical attention and special treatment needed	Treatment of overdose should be symptomatic and supportive and may including the following: Perform gastric lavage to decrease absoption. Administer activated charcoal slurry repeatedly, followed by stimulant cathartic to enhance elimination. Monitor and maintain respiratory function, body temperature, and cardiovascular function (ECG) for not less than 5 days. Kidney impairment may develop 3 to 5 days after substantial overdose. For congestive heart failure - Digitalize cautiously. For cardiac arrhythmias - control with lidocaine or by alkalinizing blood to pH 7.4 to 7.5 with intravenous sodium bicarbonate. If ineffective, consider slow intravenous infusion of phenytoin. Propranolol is also effective, but should be used with caution. Quinidine and procainamide should NOT be used. For convulsions - administer anticonvulsant such as diazepam, paraldehyde, phenytoin, or an inhalation anesthetic. Physostigmine is contraindicated in amoxapine overdose because it may increase seizure activity. Seizures may be especially severe and may not respond to treatment; amoxapine overdose may lead to acute tubular necrosis and rhabdomyolysis. Use standard measures to manage circulatory shock and metabolic acidosis. Hemodialysis, peritoneal dialysis, exchange transfusions, and forced diuresis are not expected to be successful in treating tricyclic antidepressant overdose. [USP DI 2003]	
General information	Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.	
5. Fire-fighting measures		
Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Water. Foam. Dry chemical or CO2.	
Unsuitable extinguishing media	None known.	
Specific hazards arising from the chemical	No unusual fire or explosion hazards noted.	
Special protective equipment and precautions for firefighters	Wear suitable protective equipment.	
Fire-fighting equipment/instructions	Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.	
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.	
6. Accidental release meas	sures	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment.	
Methods and materials for containment and cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.	
7. Handling and storage		
Precautions for safe handling	As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly.	
Conditions for safe storage, including any incompatibilities	Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.	
8. Exposure controls/personal protection		
Biological limit values	No biological exposure limits noted for the ingredient(s).	
Exposure guidelines	No exposure standards allocated.	

Appropriate engineering controls	Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials. Local exhaust ventilation such as a laboratory fume hood or other vented enclosure is recommended, particularly for grinding, crushing, weighing, or other dust-generating procedures.
Individual protection measures,	such as personal protective equipment
Eye/face protection	Safety glasses with sideshields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.
Skin protection	
Hand protection	Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.
Other	For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.
Respiratory protection	Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).
Thermal hazards	Not available.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

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Appearance	White to yellowish-white crystalline powder.
Physical state	Solid.
Form	Powder.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	347 - 357.8 °F (175 - 181 °C)
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	< 0.0000001 kPa at 25 °C
Vapor density	Not available.
Relative density	Not available.
Solubility in water	Practically insoluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Chemical family	Dibenzoxazepine derivative.
Molecular formula	C17H16CIN3O
Molecular weight	313.78

Solubility (other) Freely soluble in chloroform; soluble in tetrahydrofuran; sparingly soluble in methyl alcohol and in toluene; slightly soluble in acetone.

10. Stability and reactivity

Reactivity	No reactivity hazards known.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	None known.
Incompatible materials	Oxidizing agents.
Hazardous decomposition products	CI NOx. Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

11. Toxicological information

Information on likely routes of exposure

Harmful if swallowed.
Due to lack of data the classification is not possible.
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Tricyclic antidepressants: Dizziness. Drowsiness. Stupor. Restlessness. Vomiting. Troubled breathing. Tiredness. Enlarged pupils. Fever. Headache. Dry mouth. Weakness. Increased appetite. Diarrhea. Excessive sweating. Heartburn. Blurred vision. Eye pain. Confusion. Hallucinations. Difficult urination. Difficulty speaking or swallowing. Nervousness. Loss of balance. Convulsions.
Tricyclic antidepressants: Cardiac dysrhythmias. Severe hypotension. Serotonin syndrome. CNS depression. Coma. Death.
Persons sensitive to other tricyclic antidepressants, carbamazepine, maprotiline, or trazodone may be sensitive to this material also.
Tricyclic antidepressants: Cardiovascular disorders. Narrow-angle glaucoma. Active alcoholism. Asthma. Bipolar disorder. Blood disorders. Gastrointestinal disorders. Hyperthyroidism. Enlarged prostate gland. Schizophrenia. Seizure disorder. Urinary retention. Impaired liver function. Impaired kidney function.
Harmful if swallowed.

Product	Species	Test Results	
Amoxapine (CAS 14028-44-5)			
Oral			
LD50	Mouse	104 mg/kg	
	Rat	313 mg/kg	
Skin corrosion/irritation	Due to lack of data the classification is not possible		
Serious eye damage/eye irritation	Due to lack of data the classification is not possible.		
Respiratory sensitization	Due to lack of data the classification is not possible.		
Skin sensitization	Due to lack of data the classification is not possible	Due to lack of data the classification is not possible.	
Germ cell mutagenicity	Due to lack of data the classification is not possible.		
Carcinogenicity	Due to lack of data the classification is not possible carcinogen by IARC, NTP, or OSHA.	. This material is not considered to be a	
Reproductive toxicity	Due to lack of data the classification is not possible. In animal studies, high doses of this material caused fetotoxicity.		
Specific target organ toxicity - single exposure	Narcotic effects.		
Specific target organ toxicity - repeated exposure	Due to lack of data the classification is not possible.		
Aspiration hazard	Based on available data, the classification criteria are not met.		
12. Ecological information			
Ecotoxicity	No ecotoxicity data noted for the ingredient(s).		
Persistence and degradability	No data is available on the degradability of this product.		
Bioaccumulative potential	Not available.		
Mobility in soil	Not available.		

Other adverse effects

Not available.

13. Disposal considerations

Disposal instructions	Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
Local disposal regulations	Not available.
Hazardous waste code	Not available.
Waste from residues / unused products	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as a hazardous material by DOT.

ΙΑΤΑ

Not regulated as a dangerous good.

Transport in bulk according to No information available. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

US federal regulations	CERCLA/SARA Hazardous Substances - Not applicable.	
	One or more components are not listed on TSCA.	
Superfund Amendments and Re	eauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely hazardous substance	No	
SARA 311/312 Hazardous chemical	No	
Other federal regulations		
Safe Drinking Water Act (SDWA)	Not regulated.	
Food and Drug Administration (FDA)	Not regulated.	
US state regulations	WARNING: This product contains a chemical known to the State of Califor defects or other reproductive harm.	ornia to cause birth
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory nents of this product comply with the inventory requirements administered by the gov	No

16. Other information, including date of preparation or last revision

Issue date	04-06-2010
Revision date	02-07-2014
Version #	02
Further information	Not available.
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Revision Information	This document has undergone significant changes and should be reviewed in its entirety.