

PUNATI CHEMICAL CORP.
MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label) Shower, Tub and Tile Cleaner		COMMON CODE NA (Not Applicable)	
MANUFACTURER'S NAME Punati Chemical Corp.		EMERGENCY TELEPHONE NO. Punati Chemical 248-276-0101 FAX 248-276-0103	
ADDRESS (Number, City, State and Zip Code) 1160 N. Opdyke Rd. Auburn Hills, MI 48326		MANUFACTURER'S NO. NA	
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172-101) Non-Hazardous			
ADDITIONAL HAZARD CLASSES (as applicable) NA		PREPARED BY Lou Calabris	TITLE General Mgr.
CHEMICAL FAMILY Proprietary	FORMULA Proprietary Mixture	EFFECTIVE DATE 3/16/2007	REVISION NO. REVISION DATE

SECTION II-INGREDIENTS

CAS REGISTRY NO.	%WT	Chemical Ingredients	Exposure Limits (ppm)				Listed as a Carcinogen in NTP, IARC or OSHA 1910(z) (specify)
			ACGIH		OSHA		
			TWA	STEL	TWA	STEL	
Proprietary	0.5-2	Hydroxyacetic acid	N/E	N/E	N/E	N/E	No
Proprietary	1-3	sulfamic acid	N/E	N/E	N/E	N/E	No
Proprietary	5.10	Surfactant	N/E	N/E	N/E	N/E	No
007732-18-5	85.94	Water	N/E	N/E	N/E	N/E	No

SECTION III-PHYSICAL DATA

BOILING POINT as water	SPECIFIC GRAVITY (H20=1)	1.98 1.04	MELTING POINT NA
VAPOR PRESSURE Vapor as Water	PERCENT VOLATILE BY VOLUME (%)	N/A	PERCENT SOLIDS BY WEIGHT ND
VAPOR DENSITY (AIR=1) Vapor as Water	EVAPORATION RATE (=1)	N/A	
SOLUBILITY IN WATER Mixes with water	pH=	10.0 11.0	
APPEARANCE AND ODOR Clear liquid, mild soap odor.	MATERIAL TYPE: Liquid		

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

FLASH POINT N/AP	Method Used	FLAMMABLE LIMITS	LEL N/A	UEL N/A
EXTINGUISHING MEDIA Water, carbon dioxide, foam				
SPECIAL FIRE FIGHTING PROCEDURES Use protective clothing. Use self-contained breathing apparatus.				
UNUSUAL FIRE AND EXPLOSION HAZARDS None known				

SECTION V-HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE-Conditions to Avoid Can cause severe eye irritation. Prolonged skin contact can cause irritation	THRESHOLD LIMIT VALUE PERMISSIBLE EXPOSURE LIMIT	See Section II See Section II
APPROPRIATE EXPOSURE GUIDELINES Not Established	MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE None Known	
PRIMARY ROUTES OF ENTRY Inhalation _____ Skin Contact <u>xx</u> Eye <u>xx</u>		
EMERGENCY AND FIRST AID PROCEDURES Eye - Flush eye(s) with continuous flow of water for at least 15-minutes. Seek medical assistance if irritation persists. Skin - Wash affected area(s) thoroughly with soap and water. Consult a physician if irritation develops. Ingestion - If swallowed, seek immediate medical attention. Inhalation - Remove to fresh air.		

SECTION VI-REACTIVITY DATA

STABILITY UNSTABLE STABLE XX	CONDITIONS TO AVOID None known	
	INCOMPATIBILITY (materials to avoid) Strong oxidizing agents.	
HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition may yield carbon monoxide, carbon dioxide and oxides of nitrogen.		
HAZARDOUS POLYMERIZATION	MAY OCCUR WILL NOT OCCUR	Conditions to Avoid None Known

SECTION VII-SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Contain spill. Absorb on sorbant media and place in appropriately labeled waste containers. Residue may be washed with water.		
WASTE DISPOSAL METHOD Dispose of waste material in accordance with local, state and federal regulations.		
CERCLA (Superfund) REPORTABLE QUANTITY (lb.) N/A		
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33) N/A		
NFPA RATINGS Not Determined		

SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) No special protection needed. If ventilation is inadequate for high vapor concentrations, a respirator with organic vapor cartridge is recommended.		
Ventilation	LOCAL EXHAUST (Specify Rate) Recommended	SPECIAL None
	MECHANICAL (General) (Specify Rate) Fan	OTHER
PROTECTIVE GLOVES (Specify type) Rubber	EYE PROTECTION (Specify type) Safety glasses with side shields	
OTHER PROTECTIVE EQUIPMENT None required under normal conditions.		

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTION TO BE TAKEN IN HANDLING AND STORING Store product at moderate temperatures, 45°F-95°F.		
OTHER PRECAUTIONS Keep container closed when not in use. Maintain good housekeeping and hygienic practices.		

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