

# Material Safety Data Sheet

n/av. = not available  
 NFPA Hazard Rating: 4 = Extreme  
 WHMIS HAZARD: B-3, D-1B

Abbreviations used on this Material Safety Data Sheet:  
 n/ap. = not applicable      ppm = parts per million  
 3 = High                      2 = Moderate                      1 = Slight

TLV= Threshold Limit Value  
 0 = None                      X – blank

NFPA HAZARD RATING:  
 HEALTH – 2, FLAMMABILITY – 2, REACTIVITY - 0

## SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER		RBP Polar D Super Concentrated Winter Treatment	
PRODUCT USE		Winter Fuel Additive	
MANUFACTURER NAME	RBP	SUPPLIER NAME	
STREET ADDRESS	2380 Railroad Street Bldg. 101	STREET ADDRESS	
CITY	Corona	STATE	CA
CITY		CITY	
ZIP CODE	92880	TELEPHONE NUMBER	(951).272.2122
POSTAL CODE		TELEPHONE NUMBER	

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LETHAL DOSE (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LETHAL CONCENTRATION (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE)
2-butoxyethanol	60-100	111-76-2	560 mg/kg (rat, oral)	500 ppm/4hr. (rat, inhalation)
xylene	5-8	1330-20-7	4300 mg/kg (rat, oral)	5000 ppm/4hr. (rat, inhalation)
hydroxethylated aminoethylamide	10-12	68412-09-9	n/a	n/a

## SECTION 3 – PHYSICAL DATA

PHYSICAL STATE	Liquid	ODOR AND APPEARANCE	Characteristic solvent odor. Clear.		ODOR THRESHOLD	n/av.	
VAPOR PRESSURE	0.76	VAPOR DENSITY	4.1	EVAPORATION RATE	0.1	BOILING POINT	171 C
FREEZING POINT	n/av.	SPECIFIC GRAVITY	0.90	COEFFICIENT OF MATERIAL DISTRIBUTION	Soluble in water		

## SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABILITY IF YES, UNDER WHICH CONDITIONS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Vapors form explosive mixture in air when between flammability limits. Vapor is heavier than air and may collect in low areas and travel over some distance.			
MEANS OF EXTINCTION Carbon dioxide, dry chemical powder, alcohol foam.			
SPECIAL PROCEDURES Fire fighters must wear self-contained breathing apparatus and full protective gear. Use water spray to cool containers below flash point.			
FLASHPOINT AND METHOD	62C TCC	UPPER FLAMMABILITY LIMIT	12.7
		LOWER FLAMMABILITY LIMIT (% BY VOLUME)	1.1
AUTOIGNITION TEMPERATURE	238 C	HAZARDOUS COMBUSTION PRODUCTS	Oxides of carbon
EXPLOSION DATA	Probably not sensitive to impact.		SENSITIVITY TO STATIC DISCHARGE
SENSITIVITY TO IMPACT			Probably not sensitive to static charge.

## SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY. IF NO, UNDER WHICH CONDITIONS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Normally stable to heat, light, and air.	
INCOMPATIBILITY WITH OTHER SURFACES. IF YES, WHICH ONES? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Avoid strong oxidizing agents and strong bases. Will attack some forms of plastic, rubber, and coatings.	
FLAMMABILITY IF YES, UNDER WHICH CONDITIONS? Hazardous polymerization will not occur.	
HAZARDOUS DECOMPOSITION PRODUCTS Oxides of carbon upon thermal decomposition.	

PRODCUT IDENTIFIER **76 TBM Polar D Super Concentrated Winter Treatment**

## SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY      SKIN CONTACT       SKIN ABSORPTIONS       EYE CONTACT       INHALATION       INGESTION

**EFFECTS OF ACUTE EXPOSURE TO PRODUCT**

High vapor concentrations may cause respiratory tract and eye irritation, nausea, and signs of central nervous system depression (drowsiness, dizziness, loss of coordination and fatigue). Contact with liquid can cause mild skin irritation and severe eye irritation. Ingestion, inhalation, and skin absorption. Aspiration hazard if swallowed. Can enter lungs during swallowing or vomiting and cause inflammation and damage.

**EFFECTS OF CHRONIC EXOSURE TO PRODUCT**

Prolonged or repeated skin contact can cause dermatitis. Prolonged or repeated over exposure may cause liver, kidney, or blood damage.

<b>EXPOSURE LIMITS</b> ACGIH TLV-TWA = 25 ppm OSHA PEL of 50 ppm, TWA	<b>IRRITANCY OF PRODUCT</b> As above.	<b>SENSITIZATION TO PRODUCT</b> A component is a skin sensitizer.	<b>CARCINOGENICITY</b> Not listed by IARC, NTP, OSHA.
<b>TERATOGENICITY</b> 2-butoxyethanol and xylene caused developmental toxicity in laboratory animals.	<b>REPRODUCTIVE TOXICITY</b> Not identified.	<b>MUTAGENICITY</b> Not identified.	<b>SYNERGISTIC PRODUCTS</b> Not identified.

## SECTION 7 – PREVENTIVE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:**

<b>RESPIRATOR (SPECIFY)</b> Nitrile rubber or Saranex are recommended.	<b>RESPIRATOR (SPECIFY)</b> Not normally required under adequate ventilation conditions. NIOSH recommends for concentrates up to 50 ppm, a chemical cartridge respirator with organic vapor cartridge.	<b>EYE (SPECIFY)</b> Safety glasses or goggles. Do not wear contact lenses.
<b>WEAR (SPECIFY)</b> Safety boots.	<b>CLOTHING (SPECIFY)</b> Coveralls or other protective clothing.	<b>OTHER (SPECIFY)</b> Eye wash station and safety shower in area

**ENGINEERING CONTROLS (SPECIFY VENTILATION, ENCLOSED PROCESS)**

Use of combination of local exhaust and dilution ventilation to keep exposure below exposure limit..

**LEAK AND SPILL PROCEDURE**

Eliminate all sources of ignition. Wear appropriate personal protective equipment. Contain spill with dikes and absorbent material. Store in suitable closed container.

**WASTE DISPOSAL**

Follow all local, provincial, and national regulations.

**HANDLING PROCEDURES AND EQUIPMENT**

Ground all transfer containers to prevent static accumulation.

**STORAGE REQUIREMENTS**

Store in a cool, dry place away from all sources of ignition and incompatible materials. Keep container tightly closed when not in use. Keep away from children.

**SPECIAL SHIPPING INFORMATION**

Consumer Commodity exemption may apply. See TDG Regulations.

**TDG. UN NUMBER**

n/ap.

## SECTION 8 – FIRST AID MEASURES

**SPECIFIC MEASURES**

**SKIN CONTACT:** Remove contaminated clothing. Wash thoroughly with soap and water for 20 minutes. Launder clothing before reuse. Seek medical attention if irritation occurs.

**EYE CONTACT:** Immediately flush eyes with water for 20 minutes while retracting eyelids. Seek medical attention.

**INGESTION:** Do not induce vomiting. If victim is conscious, have them drink 300 ml of water to dilute ingested material. Never give anything by mouth to an unconscious or convulsing person. Seek medical attention immediately.

**INHALATION:** Remove victim to fresh air. Use artificial respiration if victim has stopped breathing. Seek immediate medical attention.

## SECTION 9 – PREPARATION DATE OF MSDS

<b>PREPARED BY</b> P 2380 Railroad Street Bldg. 101 Corona,	<b>PHONE NUMBER</b> RBP 2380 Railroad Street Bldg. 101 Corona, CA	<b>DATE</b> November 19, 2009
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