

MATERIAL SAFETY DATA SHEET

Westco Chemicals, Inc.  
11312 Hartland Street  
North Hollywood, California 91605  
(213) 877-0077  
(818) 980-1152

EMERGENCY CONTACT :  
CALL CHEMTREC : DAY OR NIGHT  
(800)424-9300

SUBSTANCE IDENTIFICATION

CAS NO -----	1341-49-7	HMS
SUBSTANCE -----	AMMONIUM HYDROGEN FLUORIDE	HEALTH-----2
TRADE NAMES/SYNONYMS-----	AMMONIUM BIFLUORIDE	FLAMMABILITY-----0
CHEMICAL FAMILY-----	FLUORINE COMPOUNDS	REACTIVITY-----0
MOLECULAR FORMULA-----	NH4HF2	PERSONAL PROTECTION---F
		MOLECULAR WT----57.04

COMPONENTS AND CONTAMINANTS

PERCENT----- AMMONIUM BIFLUORIDE - 98.75%  
OTHER CONTAMINANTS ----- INERT SALTS - 1.25%  
EXPOSURE LIMITS ----- NK

PHYSICAL DATA

DESCRIPTION-----	WHITE FLAKES, PUNGENT ODOR	
VAPOR DENSITY -----	NA	MELTING POINT---126 DEG C
VAPOR PRESSURE-----	1	BOILING POINT---239 DEG C
EVAPORATION RATE -----	NA	% VOLATILE-----NA
SOLUBILITY IN WATER -----	SOLUBLE	SPECIFIC GRAVITY----1.502

HOW TO DETECT THIS SUBSTANCE : CHEMICAL ANALYSIS  
pH (5.79 g/l)-2

FIRE AND EXPLOSION DATA

FLASH POINT-----	NON-FLAMMABLE	
FIRE EXTINGUISHING MTRLS--	WATER, CO2, FOAM, ON SURROUNDINGS	FLAMMABLE LIMITS-----NA
SPECIAL FIRE FIGHTING PROCEDURES -	NA	

UNUSUAL FIRE AND  
EXPLOSION HAZARDS-- MATERIALS MAY DECOMPOSE & FORM CORROSIVE AND  
TOXIC FUMES. USE WATER SPRAY TO DISSOLVE

MATERIAL SAFETY DATA SHEET

Weldon Chemicals, Inc.  
 11312 Hartland Street  
 North Hollywood, California 91605  
 (213) 877-9077  
 (818) 990-1152

EMERGENCY CONTACT:  
 DALL CHEMTRAC - DAY OR NIGHT  
 (800) 454-9300

**SUBSTANCE IDENTIFICATION**

CAS NO. ----- 1741-40-7 ----- **HMIS**  
 SYNONYMS ----- AMMONIUM BICARBONATE ----- **HEALTH** ----- 2  
 ----- BICARBONATE ----- **FLAMMABILITY** ----- 0  
 ----- AMMONIUM CARBONATE ----- **REACTIVITY** ----- 0  
**CHEMICAL FAMILY** ----- CARBONATE ----- **PERSONAL PROTECTION** ----- F  
**MOLECULAR FORMULA** ----- NH<sub>4</sub>HCO<sub>3</sub> ----- **MOLECULAR WT.** ----- 79.04

**CONFORMS AND IDENTIFIERS**

**P E C E N T** ----- AMMONIUM BICARBONATE - 99.76%  
**OTHER CONSTITUENTS** ----- WATER - 0.24%  
**EXPOSURE LIMITS** ----- LC

**PHYSICAL DATA**

**DESCRIPTION** ----- WHITE FINE, PLEINUS GRIP  
**VAPOR DENSITY** ----- NA **MELTING POINT** ----- 120 DEG C  
**VAPOUR PRESSURE** ----- NA **BOILING POINT** ----- 235 DEG C  
**EVAPORATION RATE** ----- NA **RELATIVE VISCOSITY** ----- NA  
**SOLUBILITY IN WATER** ----- SOLUBLE **SPECIFIC GRAVITY** ----- 1.502

**HOW TO OBTAIN THIS SUBSTANCE, CHEMICAL ANALYSIS**  
 pH 6.7 @ 0.1%

**FIRE AND EXPLOSION DATA**

**FLASH POINT** ----- NON-FLAMMABLE  
**PIPE EXTINGUISHING MEDIA** ----- WATER, CO<sub>2</sub>, FOAM, IN  
 SUBSTITUTING **FLAMMABLE LIMITS** ----- NA  
**SPECIAL FIRE FIGHTING PROCEDURES** ----- NA

**HAZARDOUS FIRE AND EXPLOSION HAZARDS** ----- AMMONIUM BICARBONATE & WATER (GROUP 4) AND  
 FORMED BY USE. HAZARDOUS (GROUP 4)