

## **31-0020 BRUNING REVOLUTE AMMONIA DEVELOPER**

### **MSDS Number**

BBNQF

### **National Stock Number**

6850-00F003717

### **Product Name**

31-0020 BRUNING REVOLUTE AMMONIA DEVELOPER

### **Manufacturer**

BRUNING DIV OF AM INTL INC

### **Product Identification**

Product ID:31-0020 BRUNING REVOLUTE AMMONIA DEVELOPER

MSDS Date:11/30/1987

FSC:6850

NIIN:00F003717

MSDS Number: BBNQF

### **Responsible Party**

BRUNING DIV OF AM INTL INC

1800 BRUNING DR W

ITASCA , IL 60143

Emergency Phone: (312) 351-7579 OR (708) 351-6000

Info Phone: (312) 351-7579 OR (708) 351-6000

Cage: 42772

### **Contractor**

OCE-BRUNING INC

ITASCA, IL 60143

US

800-424-9300 (CHEMTREC)

Cage: 42815

### **Ingredients**

AMMONIUM HYDROXIDE, AQUA AMMONIA

CAS: 1336-21-6

RTECS: BQ9625000

OSHA PEL50 PPM

ACGIH TLV: 25 PPM

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

NON-HAZARDOUS CORROSION INHIBITOR

Fraction By Weight: TRACE

WATER, H2O

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 65-70%

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: OCCULAR DAMAGE RESULTING IN SEVERE VISUAL DISTURBANCES, PERMANENT SCARRING OF CORNEA, STRONG ODOR, IRRITATION, ITCHING, CONJUNCTIVITIS, & BURNS. SKIN: ITCHING, CORROSIVE BURNS, & IRRITATION. INH ALATION: THROAT IRRITATION, CONVULSIVE COUGHING WHICH CAN BE FATAL. INGESTION: DIGESTIVE TRACT IRRITATION.

Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYES: OCCULAR DAMAGE RESULTING IN SEVERE VISUAL DISTURBANCES, PERMANENT SCARRING OF CORNEA, STRONG ODOR, IRRITATION, ITCHING, CONJUNCTIVITIS, & BURNS. SKIN: ITCHING, CORROSIVE BURNS, & IRRITATION. INH ALATION: THROAT IRRITATION, & CONVULSIVE COUGH WHICH CAN BE FATAL. INGESTION: DIGESTIVE TRACT IRRITATION.

Medical Cond Aggravated by Exposure:CHRONIC LUNG DISEASE, TUBERCULOSIS, BRONCHIECTASIS, ASTHMA, & HAY FEVER.

## First Aid

First Aid:EYES/SKIN: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS.  
INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
INGESTION: OBTAIN MED ICAL ATTENTION IN ALL CASES.

## Fire Fighting

Lower Limits:16%  
Upper Limits:25%  
Extinguishing Media:WATER MIST OR SPRAY  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS, GAS-PROOF GOGGLES, & RUBBER SUIT.

## Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. DILUTE W/COLD WATER & BLOT W/TOW ELS OR MOP. KEEP FROM ENTERING STREAMS & LAKES.

## Handling

Handling and Storage Precautions:DON'T STORE OR HANDLE >FACE LEVEL. USE IN WELL VENTILATED AREA. BEFORE REMOVING CAP, LOOSEN SLOWLY TO RELIEVE PRESSURE.

Other Precautions:BEFORE REMOVING CAP LOOSEN SLOWLY TO RELIEVE PRESSURE.

## Exposure Controls

Respiratory Protection:USE SELF-CONTAINED BREATHING APPARATUS WHEN >TLV.  
Ventilation:LOCAL EXHAUST OR SUFFICIENT GENERAL MECHANICAL TO KEEP  
Protective Gloves:RUBBER  
Eye Protection:SAFETY GOGGLES  
Other Protective Equipment:RUBBER SUIT  
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS AFTER USE.  
Supplemental Safety and Health  
BOILING RANGE: 81-212F.

## Chemical Properties

Boiling Pt:B.P. Text:SEE SUPP.  
Melt/Freeze Pt:M.P/F.P Text:-108F  
Vapor Pres:550 MM HG  
Vapor Density:Spec Gravity:0.9  
pH:13  
Evaporation Rate & Reference:(BU AC = 1): 1  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR, COLORLESS LIQUID W/PUNGENT ODOR

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## Stability

Stability Indicator/Materials to Avoid: YES

STRONG ACIDS & CHLORINE BLEACH

Hazardous Decomposition Products: TOXIC VAPORS FROM REACTION W/ CHLORINE BLEACH, & AMMONIA GAS

## Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE W/ LOCAL, STATE, & FEDERAL REGULATIONS.

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