



**ARMOR ALL PROFESSIONAL**  
Acuity Specialty Products Group, Inc.  
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1 (866) 276-6725

## Hoja de Datos de Seguridad del Material e Información de Dirección Segura de la Disposición

Fecha de emisión 08/07/01

Sustituya

Nombre del producto **AA PROF DRYING AGENT**

No del producto **H466**

Rinse Agent

### SECCIÓN I - CONTACTOS DE EMERGENCIA

Por la Información de la Hoja de Datos de Seguridad del Material:  
1 (866) 276-6725

Por la Emergencia Médica:  
INFOTRAC  
(877) 541-2016 Gratis - Se Graban Todas las Llamadas

Por una Emergencia del Transporte:  
CHEMTREC  
(800) 424-9300 - Gratis - Se Graban Todas las Llamadas  
En el Distrito de Colombia (202) 483-7616

Fecha de impresión: 08/19/03

### SECCIÓN II - INGREDIENTES PELIGROSOS

\*\* PROPRIETARY CATIONIC SURFACTANT \*\* CAS# - NONE; RTECS# - NONE; OSHA PEL - N/D ; TLV - N/D; EFFECTS - FBL COR SEN; % IN PROD - 20-30  
@ \*\* ETHYLENE GLYCOL MONOBUTYL ETHER \*\* 2-butoxyethan\_ol; butyl cellosolve; CAS# 111-76-2; RTECS# KJ8575000; OSHA PEL (SKIN)- 25 ppm ; TLV - 20; EFFECTS - TOX IRR CBL; % IN PROD - < 5  
\*\* ISOPROPYL ALCOHOL \*\* ipa; dimethylcarbinol; 2-pro\_panol; CAS# 67-63-0; RTECS# NT8050000; OSHA PEL-400 PPM;  
OSHA/ACGIH STEL-500 PPM ; TLV - 200; EFFECTS - IRR FBL; % IN PROD - < 10  
\*\* MINERAL SEAL OIL \*\* (mineral oil); petrolatum; CAS# 64742-30-9; RTECS# - NONE; ACGIH/OSHA OIL MIST LIMIT = 5 mg/m3; TLV - N/A; EFFECTS - IRR; % IN PROD - 30-40  
@ -IDENTIFICA PRODUCTOS QUIMICOS CATALOGADOS BAJO LA SECCION 313 DE SARA PARA INFORME SOBRE EMISION (O ESCAPE).

### SECCIÓN III - DATOS SOBRE PELIGROS A LA SALUD

NOTA ESPECIAL: LOS DATOS MSDS SON PERTINENTES AL PRODUCTO TAL COMOSUMISTRADO DEL RECIPIENTE. NO SE ESPERAN EFECTOS NOCIVOS EN CONTRADE L SALUD SI SE OBSERVAN LAS CONDICIONES DE USO (DILUIDO)RECOMENDADAS Y CON TAL QUE SE PRACTIQUEN LAS PRECAUCIONES DESEGURIDAD PRESCRITAS.

EFFECTOS CRONICOS DE SOBRE EXPOSICION:

CONCENTRADO PUEDE SER CORROSIVO A LOS OJOS Y MEMBRANAS MUCOSAS Y LAS SOLUCIONES SON SEVERAS IRRITANTES A LOS OJOS. CONTACTO CON LOS OJOS PUEDE RESULTAR EN LESIONES A LA CORNEA Y PERDIDA DE LA VISTA. CONTACTO CON LA PIEL PUEDE PRODUCIR IRRITACION DEPENDIENDO EN LA LONGITUD DEL TIEMPO DE CONTACTO. DANO O FATAL SI SE INGIERE.

EFFECTOS CRONICOS DE SOBRE EXPOSICION:

ESTUDIOS EN ANIMALES INDICAN UN POTENCIAL POR LESIONES AL HIGADO, RINONES, Y CELULAS ROJAS DE LA SANGRE. PERTINENCIA DE ESTOS ESTUDIOS O NIVELES DE EXPOSICION LOS CUALES PODRIAN PRODUCIR ESTOS EFECTOS EN HUMANOS NO HAN SIDO ESTABLECIDOS. NINGUNO DE LOS INGREDIENTES SON LISTADOS COMO CARCINOGENOS POR IARC, NTP O OSHA.\* IARC = AGENCIA INTERNACIONAL PARA INVESTIGACIONES EN CANCER NTP = PROGRAMA NACIONAL DE TOXICOLOGIA OSHA = ADMINISTRACION DE SEGURIDAD Y SALUD OCUPACIONAL EST'D PEL/TLV: NO ESTABLECIDO

RUTAS PRINCIPALES DE ENTRADA: INHALAR, PIEL

HMS CODES: HEALTH 3; FLAM 2; REACT 0; PERS. PROTECT B; CHRONIC HAZ YES

PROCEDIMIENTOS DE PRIMEROS AUXILIOS:

PIEL: INMEDIATAMENTE ENJUAGE PIEL CONTAMINADA CON ABUNDANTE AGUA POR LO MENOS 15 MINUTOS. RECIBA ATENCION MEDICA SI IRRITACION SE DESARROLLA.

OJOS: INMEDIATAMENTE ENJUAGE OJOS CON ABUNDANTE AGUA POR LO MENOS 15 MINUTOS, OCASIONALMENTE LEVANTANDO PARPADOS SUPERIORES E INFERIORES. RECIBA ATENCION MEDICA INMEDIATAMENTE.

INHAL.: MUEVA PERSONA EXPUESTA AL AIRE FRESCO. SI IRRITACION PERSISTE, RECIBA ATENCION MEDICA PRONTAMENTE.

INGEST: SI TRAGADO NO INDUZCA VOMITO. SI VOMITO OCURRE, MANTENGA CABEZA A UN NIVEL MAS BAJO DE LA CADERA. RECIBA ATENCION MEDICA INMEDIATAMENTE.

### SECCIÓN IV - INFORMACIÓN ESPECIAL SOBRE PROTECCIÓN

ROPA PROTECTORA: USE GUANTES DE NEOPRANO, NITRIL O GOMA NATURAL O GUANTES CON RESISTENCIA PROBADA, A LOS INGREDIENTES LISTADOS.  
PROTECCION DE OJOS: USE ANTEOJOS DE SEGURIDAD A PRUEBA DE SALPICADAS, ESPECIALMENTE SI LENTES DE CONTACTO SE ESTAN USANDO.  
PROTECCION RESPIRATORIA: EN EL CASO POCO PROBABLE QUE LOS NIVELES DE EXPOSICION EXCEDAN EL PEL/TLV, USE UN RESPIRADOR DE VAPOR ORGANICO (V.G. ZEP 2211).  
VENTILACION: PROPORCIONE EXTRACTOR DE AIRE O VENTILACION LOCAL SEGUN SEA NECESARIO PARA MANTENER LA CONCENTRACION DE LOS VAPORES BAJO LOS LIMITES DE EXPOSICION (PEL/TLV).

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#### SECCIÓN V - DATOS FÍSICOS

PUNTO DE EBULLICION (F) - 212-600  
PRESION DE VAPOR(mmHg) - N/D  
DENSIDAD DEL VAPOR (AIRE=1) - N/D  
SOLUBILIDAD EN AGUA - EMULSIFIES  
pH(DIL. DE - 1:1000): N/D  
VOC CANTIDAD (CONCENTRADO): 34.1% 2.62 lb/gl  
APARIENCIA Y OLOR : A CLEAR, BLUE LIQUID WITH ESSENTIALLY NO ODOR.

PESO ESPECIFICO : 0.92  
TASA DE EVAP. (=1) - N/D  
pH(CONCENTRADO) - 5.7-6.7

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#### SECCIÓN VI - DATOS SOBRE FUEGO Y EXPLOSIÓN

PUNTO DE INFLAMACION(F) (METODO UTILIZADO): 108 TCC  
LIMITES DE INFLAMACION: LEL: 1.0% UEL: 7.0%  
MEDIOS DE EXTINGUIMIENTO: DIOXIDO DE CARBONO Y QUIMICO SECO.  
LUCHA ESPECIAL CONTRA INCENDIO: USE APARATO RESPIRATORIO COMPLETO POSITIVAMENTE PRESURIZADO.  
PELIGROS DEL FUEGO: VAPORES CONCENTRADOS PUEDEN ENCENDER SI EXPUESTOS A UNA CHISPA.

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#### SECCIÓN VII - DATOS DE REACTIVIDAD

ESTABILIDAD: ESTABLE  
INCOMPATIBILIDAD (EVITAR): CALOR, LLAMA ABIERTA, CHISPA Y AGENTES OXIDANTES  
POLIMERIZACION: NO OCURRIRA.  
DESCOMPOSICION PELIGROSA: DIOXIDO DE CARBONO, MONOXIDO DE CARBONO Y OTROS COMPONENTES ORGANICOS NO IDENTIFICADOS.

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#### SECCIÓN VIII - PROCEDIMIENTOS EN CASO DE DERRAMAMIENTO Y ELIMINACIÓN DE DESECHOS

MEDIDAS QUE SE DEBEN TOMAR EN CASO DE EMISION O DERRAMAMIENTO DE MATERIAL:  
NO PERMITA QUE EL PRODUCTO O DERRAMAMIENTO DEL PRODUCTO ENTRE AL SISTEMA DE DRENAJE, ALCANTARILLADO, U OTROS SISTEMAS DE AGUA. OBSERVE LAS PRECAUCIONES DE SEGURIDAD EN LAS SECCIONES 4 & 9 DURANTE LA LIMPIEZA. BARRA EL POLVO O EL LIQUIDO DERRAMADO Y ABSORBIDO EN MATERIAL INERTE Y COLOQUELO EN UN RECIPIENTE LIMPIO QUE SIGA LAS ESPECIFICACIONES DE D.O.T. PARA DESECHO.  
METODO DE ELIMINACION DE DESECHOS:  
EL MATERIAL NO USABLE DEBE SER ENVASADO CORRECTAMENTE EN BIDONES/DRONES. CONSULTE CON LAS AGENCIAS LOCALES, ESTATALES Y FEDERALES SOBRE EL METODO CORRECTO DE ELIMINACION EN SU AREA. NO CONTAMINE EL SUMINISTRO DE AGUA CON DESECHOS O ENVASES.  
RCRA HAZ WASTE NOS: D001

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#### SECCIÓN IX - PRECAUCIONES ESPECIALES

PRECAUCIONES QUE SE DEBEN TOMAR EN EL MANEJO Y ALMACENAMIENTO:  
DEPOSITE RECIPIENTE FIRMEMENTE CERRADO EN AREA SECA A TEMPERATURAS ENTRE 40F Y 120F (GRADOS FAHRENHEIT) MODERADO IRRITACION DE LA PIEL NO RESPIRE ROCIO O VAPORES VESTIMENTA O ZAPATOS QUE SE CONTAMINEN CON LA SUSTANCIA DEBEN SER REMOVIDOS PRONTAMENTE Y NO REUSADOS HASTA ESTAR COMPLETAMENTE LIMPIOS. MANTENGA FUERA DEL ALCANCE DE NINOS.

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#### SECCIÓN X - INFORMACIÓN DE REGLAMENTO

NOMBRE APROPIADO DE TRANSPORTE D.O.T. : INDUSTRIAL CLEANERS N.O.I., LIQUID KEEP FROM FREEZING  
NOTA: La informacion de D.O.T. se aplica a tamanos mas grandes del paquete de productos afectados. Para algunos productos, D.O.T. puede requerir nombres alternos y el etiquetado de acuerdo con requisitos de empaquetado del grupo.  
DOT HAZARD CLASS: NA DOT PACKING GROUP:  
DOT I.D. NUMBER: DOT LABEL/PLACARD:  
INVENTARIO QUIMICO EPA TSCA: TODOS LOS INGREDIENTES ESTAN LISTADOS  
SUSTANCIAS REQUERIDAS EN UN CONTENEDOR EPA CWA 40 CFR PARTE 117: NONE EPA CAA: N/A

NOTA PARA NUESTROS CLIENTES DE CALIFORNIA:

PROPUESTA DE LEY 65 PRODUCTO(S) QUIMICO(S) EN ESTE PRODUCTO ES/SON: NINGUNO

# MATERIAL SAFETY DATA SHEET

## NOTICE

Thank you for your interest in, and use of, this product. Acuity Specialty Products Group is pleased to be of service to you by supplying this Material Safety Data Sheet for your files. Acuity Specialty Products Group is concerned for your health and safety. This product and all others supplied by Acuity Specialty Products Group companies can be used safely with proper protective equipment and proper handling practices consistent with label instructions and the MSDS. Before using any this product, be sure to read the complete label and the Material Safety Data Sheet.

As a further word of caution, Acuity Specialty Products Group wishes to advise that serious accidents have resulted from the misuse of "emptied" containers. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, or other sources of ignition; they may explode or develop harmful vapors and possibly cause injury or death. Clean empty containers by triple rinsing with water or an appropriate solvent. Empty containers must be sent to a drum reconditioner before reuse.

## TERMS AND ABBREVIATIONS Listed Alphabetically by Section

### SECTION II: HAZARDOUS INGREDIENTS

**CAR:** Carcinogen - A chemical listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or OSHA as a definite or possible human cancer causing agent.

**CAS#:** Chemical Abstract Services Registry Number - A universally accepted numbering system for chemical substances.

**CBL:** Combustible - At temperatures between 100°F and 200°F chemical gives off enough vapor to ignite if a source of ignition is present as tested with a closed cup tester.

**CNS:** Central Nervous System depressant that reduces the activity of the brain and spinal cord.

**COR:** Corrosive - Causes irreversible injury to living tissue (e.g. burns).

**DESIGNATIONS:** Chemical and common names of hazardous ingredients.

**EIR:** Eye Irritant Only - Causes reversible reddening and/or inflammation of eye tissues.

**EXPOSURE LIMITS:** The time weighted average (TWA) airborne concentration at which most workers can be exposed without any expected adverse effects. Primary sources include ACGIH TLVs, and OSHA PELs.

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CEILING:** "The concentration that should not be exceeded in the workplace during any part of the working exposure." Source, ACGIH

**OSHA:** Occupational Safety and Health Administration.

**PEL:** Permissible Exposure Limit - A set of time weighted average exposure values, established by OSHA, for a normal 8-hour day and a 40-hour work-week.

**PPM:** Parts per million - unit of measure for exposure limits.

**(S) SKIN:** Skin contact with substance can contribute to overall exposure.

**STEL:** Short Term Exposure Limit - Maximum concentration for a continuous 15-minute exposure period.

**TLV:** Threshold Limit Value - A set of time weighted average exposure limits, established by the ACGIH, for a normal 8-hour day and a 40-hour work-week.

**FBL:** Flammable - At temperatures under 100°F, chemical gives off enough vapors to ignite if a source of ignition is present as tested with a closed cup tester.

**HAZARDOUS INGREDIENTS:** Chemical substances that are determined to be potential health or physical hazards based on the criteria established in the OSHA Hazard Communication Standard - 29 CFR 1910.1200

**HTX:** Highly toxic - the probable lethal dose for a 70 kg (150 lb.) man, which may be approximated as less than 6 teaspoons (2 tablespoons)

**IRR:** Irritant - Causes reversible effects in living tissues (e.g. inflammation) - primarily skin and eyes.

**N/A:** Not Applicable - Category is not appropriate for this product.

**N/D:** Not Determined - Insufficient information to make a determination for this item.

**RTECS#:** Registry of Toxic Effects of Chemical Substances - an unreviewed listing of published toxicology data on chemical substances.

**SARA:** Superfund Amendment and Reauthorization Act - Section 313 designates certain chemicals for possible reporting for the Toxic Chemical Release Inventory.

**SEN:** Sensitizer - Causes allergic reaction after repeated exposure.

**TOX:** Toxic - The probable lethal dose for a 70 kg (150 kg) man is one ounce (2 tablespoons) or more.

### SECTION III: HEALTH HAZARD DATA

**ACUTE EFFECT:** An adverse effect on the human body from a single exposure with symptoms developing almost immediately after exposure or within a relatively short time.

**CHRONIC EFFECT:** Adverse effects that are most likely to occur from repeated exposure over a long period of time.

**EST'D PEL/TLV:** This estimated, time-weighted-average, exposure limit, developed by using a formula provided by the ACGIH, pertains to airborne concentrations from the product as a whole. This value should serve as guide for providing safe workplace conditions to nearly all workers.

**HMIS CODES:** Hazardous Material Identification System - a rating system developed, by the National Paint and Coating Association for estimating the hazard potential of a chemical under normal workplace conditions. These risk estimates are indicated by a numerical rating given in each of three hazard areas (Health/ Flammability/Reactivity) ranging from a low of zero to a high of 4. The presence of a chronic hazard is indicated by a "YES". Consult HMIS training guides for Personal Protection letter codes, which indicate necessary protective equipment.

**PRIMARY ROUTE OF ENTRY:** The way one or more hazardous ingredients may enter the body and cause a generalized systemic or specific-organ toxic effect.

**ING:** Ingestion - A primary route of exposure through swallowing of material.

**INH:** Inhalation - A primary route of exposure through breathing of vapors.

**SKIN:** A primary route of exposure through contact with the skin.

### SECTION IV: SPECIAL PROTECTION INFORMATION

Where respiratory protection is recommended, use only MSHA and NIOSH approved respirators and dust masks.

**MSHA:** Mine Safety and Health Administration

**NIOSH:** National Institute for Occupational Safety and Health.

### SECTION V: PHYSICAL DATA

**EVAPORATION RATE:** Refers to the rate of change from the liquid state to the vapor state at ambient temperature and pressure in comparison to a given substance (e.g. water).

**pH:** A value representing the acidity or alkalinity of an aqueous solution (Highly Acidic pH = 1; Neutral pH = 7; Highly Alkaline pH = 14)

**VOC CONTENT:** The percentage or amount in pounds per gallon of the product that is regulated as a Volatile Organic Compound under the Clean Air Act of 1990 and various state jurisdictions.

**SOLUBILITY IN WATER:** A description of the ability of the product to dissolve in water.

### SECTION VII: REACTIVITY DATA

**HAZARDOUS DECOMPOSITION:** Breakdown products expected to be produced upon product decomposition by extreme heat or fire.

**INCOMPATIBILITY:** Keep product away from listed substances or conditions to prevent hazardous reactions.

**POLYMERIZATION:** Indicates the tendency of the product's molecules to combine with themselves in a chemical reaction releasing excess pressure and heat.

**STABILITY:** Indicates the susceptibility of the product to decompose spontaneously and dangerously.

### SECTION VIII: SPILL AND DISPOSAL PROCEDURES

**RCRA WASTE NOS:** RCRA (Resource Conservation and Recovery Act) waste codes (40 CFR 261) applicable to the disposal of spilled or unusable product from the original container.

### SECTION X: TRANSPORTATION DATA

**CWA:** Clean Water Act - Federal law that regulates chemical releases to bodies of water.

**RQ:** Reportable Quantity - The amount of the specific ingredient that, when spilled to the ground and, can enter a storm sewer or natural watershed, must be reported to the National Response Center, and other regulatory agencies.

**TSCA:** Toxic Substances Control Act - A federal law requiring all commercial chemical substances to appear on an inventory maintained by the EPA.

### DISCLAIMER

All statements, technical information, and recommendations contained herein are based on available scientific tests or data that we believe to be reliable. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. Acuity Specialty Products Group assumes no liability or responsibility for loss or damage resulting from the improper use or handling of our products, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the product label and Material Safety Data Sheet

(rev 06/02)