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**Common Name:** CLEANER BLEND 300

**Manufacturer:** ITW DEVCON

**MSDS Revision Date:** 10/10/2006

**Grainger Item Number(s):** 3DPJ5

**Manufacturer Model Number(s):**

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DEVCON(R\*)

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

19510

PRODUCT NAME: CLEANER BLEND 300

STOCK NO.: 19510

MANUFACTURER NAME: ITW DEVCON

ADDRESS:  
30 ENDICOTT ST.  
DANVERS MA 01923

BUSINESS PHONE: (978) 777 - 1100

EMERGENCY PHONE: (800) 424 - 9300

PRODUCT DESCRIPTION:  
CLEANER BLEND 300 IS A NON-HALOGENATED ORGANIC SOLVENT BLEND.

NFPA:  
2  
2  
1

HMIS:  
HEALTH 2\*  
FIRE 2  
REACTIVITY 1  
PPE X

\* CHRONIC HEALTH EFFECTS

## SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS#	INGREDIENT PERCENT
1-METHOXY-2-PROPANOL ACETATE	108-65-6	10-30 BY WEIGHT
2-METHOXY-1-PROPANOL	1589-47-5	1-5 BY WEIGHT
d-LIMONENE	5989-27-5	5-10 BY WEIGHT
NON-HAZARDOUS INGREDIENTS.	N/A	10-30 BY WEIGHT
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2	30-60 BY WEIGHT

## SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING!

FLAMMABLE. IRRITANT.

APPLIES TO HAZARDOUS INGREDIENTS:

ROUTE OF EXPOSURE: EYES. SKIN. INHALATION. INGESTION

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:

CAN CAUSE MODERATE IRRITATION, BURNING SENSATION, TEARING, REDNESS, AND SWELLING. OVEREXPOSURE MAY CAUSE LACRIMATION, CONJUNCTIVITIS, CORNEAL DAMAGE AND PERMANENT INJURY.

SKIN CONTACT:

CAN CAUSE SKIN IRRITATION; ITCHING, REDNESS, RASHES, HIVES, BURNING, AND SWELLING.

INHALATION:

RESPIRATORY TRACT IRRITANT. HIGH CONCENTRATION MAY CAUSE DIZZINESS, HEADACHE, AND ANAESTHETIC EFFECTS.

INGESTION:

CAUSES IRRITATION, A BURNING SENSATION OF THE MOUTH, THROAT AND GASTROINTESTINAL TRACT AND ABDOMINAL PAIN.

CHRONIC SKIN CONTACT:

PROLONGED SKIN CONTACT MAY LEAD TO BURNING ASSOCIATED WITH SEVERE REDDENING, SWELLING, AND POSSIBLE TISSUE DESTRUCTION.

TARGET ORGANS: EYES. SKIN. RESPIRATORY SYSTEM. DIGESTIVE SYSTEM.

SIGNS/SYMPTOMS:

OVEREXPOSURE CAN CAUSE HEADACHES, DIZZINESS, NAUSEA, AND VOMITING.

AGGRAVATION OF PRE-EXISTING CONDITIONS:

INDIVIDUALS WITH PRE-EXISTING SKIN DISORDERS, ASTHMA, ALLERGIES OR KNOWN SENSITIZATION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

#### **SECTION 4: FIRST AID MEASURES**

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 TO 20 MINUTES. ENSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT:

IMMEDIATELY WASH SKIN WITH PLENTY OF SOAP AND WATER FOR 15 TO 20 MINUTES, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

INHALATION:

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION OR GIVE OXYGEN BY TRAINED PERSONNEL. SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION:

IF SWALLOWED, DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL

CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

OTHER FIRST AID:

DUE TO POSSIBLE ASPIRATION INTO THE LUNGS, DO NOT INDUCE VOMITING IF INGESTED. PROVIDE A GLASS OF WATER TO DILUTE THE MATERIAL IN THE STOMACH. IF VOMITING OCCURS NATURALLY, HAVE THE PERSON LEAN FORWARD TO REDUCE THE RISK OF ASPIRATION.

**SECTION 5: FIRE FIGHTING MEASURES**

FIRE: FLAMMABLE.

FLASH POINT: 104 DEG. F (40 DEG. C)  
FLASH POINT METHOD: TAG CLOSED CUP (TCC)

UPPER FLAMMABLE OR EXPLOSIVE LIMIT: 12%  
LOWER FLAMMABLE OR EXPLOSIVE LIMIT: 3.0%

AUTO IGNITION TEMPERATURE: NOT DETERMINED.

EXTINGUISHING MEDIA:

USE CARBON DIOXIDE (CO<sub>2</sub>) OR DRY CHEMICAL WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.

FIRE FIGHTING INSTRUCTIONS:

EVACUATE AREA OF UNPROTECTED PERSONNEL. USE COLD WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS TO MINIMIZE RISK OF RUPTURE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL PROTECTIVE GEAR. IF POSSIBLE, CONTAIN FIRE RUN-OFF WATER.

PROTECTIVE EQUIPMENT:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

LEAK RESPONSE:

FLAMMABLE, ELIMINATE IGNITION SOURCES. VAPORS CAN FORM AN IGNITABLE MIXTURE WITH AIR. VAPORS CAN FLOW ALONG SURFACES TO A DISTANT IGNITION SOURCE AND FLASH BACK. VENTILATE AREA. USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS LISTED IN SECTION 8.

PERSONAL PRECAUTIONS:

EVACUATE AREA AND KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING THE SPILL AREA.

SPILL CLEANUP MEASURES:

ABSORB SPILL WITH INERT MATERIAL (E.G., DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER. PROVIDE VENTILATION. COLLECT SPILL WITH A NON-SPARKING TOOL. PLACE INTO A SUITABLE CONTAINER FOR DISPOSAL. CLEAN UP SPILLS IMMEDIATELY OBSERVING PRECAUTIONS IN THE PROTECTIVE EQUIPMENT

SECTION. AFTER REMOVAL, FLUSH SPILL AREA WITH SOAP AND WATER TO REMOVE TRACE RESIDUE.

ENVIRONMENTAL PRECAUTIONS:

AVOID RUNOFF INTO STORM SEWERS, DITCHES, AND WATERWAYS.

LARGE SPILL: PUMP OR SHOVEL TO STORAGE/SALVAGE VESSELS.

## **SECTION 7: HANDLING AND STORAGE**

HANDLING:

USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR, AEROSOL OR MIST. MATERIAL WILL ACCUMULATE STATIC CHARGES WHICH MAY CAUSE AN ELECTRICAL SPARK (IGNITION SOURCE). USE PROPER GROUNDING PROCEDURES. DO NOT REUSE CONTAINERS WITHOUT PROPER CLEANING OR RECONDITIONING.

STORAGE:

STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF HEAT, COMBUSTIBLE MATERIALS, DIRECT SUNLIGHT, AND INCOMPATIBLE SUBSTANCES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

HYGIENE PRACTICES: WASH THOROUGHLY AFTER HANDLING.

SPECIAL HANDLING PROCEDURES:

HAZARDOUS LIQUID OR VAPOR RESIDUE MAY REMAIN IN EMPTIED CONTAINER. DO NOT REUSE, HEAT, BURN, PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, EXPOSE TO SPARKS, FLAME, OR IGNITION SOURCES OF EMPTY CONTAINERS WITHOUT PROPER COMMERCIAL CLEANING OR RECONDITIONING.

## **SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

ENGINEERING CONTROLS:

USE APPROPRIATE ENGINEERING CONTROL SUCH AS PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, GENERAL DILUTION VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. WHERE SUCH SYSTEMS ARE NOT EFFECTIVE WEAR SUITABLE PERSONAL PROTECTIVE EQUIPMENT, WHICH PERFORMS SATISFACTORILY AND MEETS OSHA OR OTHER RECOGNIZED STANDARDS. CONSULT WITH LOCAL PROCEDURES FOR SELECTION, TRAINING, INSPECTION AND MAINTENANCE OF THE PERSONAL PROTECTIVE EQUIPMENT.

SKIN PROTECTION DESCRIPTION:

WEAR APPROPRIATE PROTECTIVE GLOVES AND OTHER PROTECTIVE APPAREL TO PREVENT SKIN CONTACT.

HAND PROTECTION DESCRIPTION:

WEAR APPROPRIATE PROTECTIVE GLOVES. CONSULT GLOVE MANUFACTURER'S DATA FOR PERMEABILITY DATA.

EYE/FACE PROTECTION:

WEAR APPROPRIATE PROTECTIVE GLASSES OR SPLASH GOGGLES AS DESCRIBED BY 29 CFR

1910.133, OSHA EYE AND FACE PROTECTION REGULATION, OR THE EUROPEAN STANDARD EN 166.

RESPIRATORY PROTECTION:

A NIOSH APPROVED AIR-PURIFYING RESPIRATOR WITH AN ORGANIC VAPOR/PARTICULATES COMBINATION CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS. PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS IS LIMITED. USE A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS ANY POTENTIAL FOR AN UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE NOT KNOWN, OR ANY OTHER CIRCUMSTANCES WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION.

OTHER PROTECTIVE:

FACILITIES STORING OR UTILIZING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH AND A DELUGE SHOWER SAFETY STATION. ONLY ESTABLISHED PEL AND TLV VALUES FOR THE INGREDIENTS ARE LISTED BELOW

INGREDIENT GUIDELINES:

INGREDIENT: PROPYLENE GLYCOL MONOMETHYL ETHER  
GUIDELINE TYPE: ACGIH TLV-STEL  
GUIDELINE INFORMATION: 150 PPM  
GUIDELINE TYPE: ACGIH TLV-TWA  
GUIDELINE INFORMATION: 100 PPM

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR: PALE AMBER.

ODOR: ETHEREAL.

PHYSICAL STATE: LIQUID.

pH: NOT DETERMINED.

VAPOR PRESSURE: 12 MMHg @ 68 DEG. F

VAPOR DENSITY: >1 (AIR = 1)

BOILING POINT: 212 DEG. F (100 DEG. C) INITIAL

MELTING POINT: NOT DETERMINED.

SOLUBILITY IN WATER: APPRECIABLE.

SPECIFIC GRAVITY: 0.95

EVAPORATION POINT: <1 (BUTYL ACETATE = 1)

PERCENT VOLATILE: 100

VOLATILE ORGANIC COMPOUND CONTENT: 840 G/L

MOLECULAR FORMULA: VARIES

MOLECULAR WEIGHT: VARIES

PERCENT SOLIDS BY WEIGHT: 0

## **SECTION 10: STABILITY AND REACTIVITY**

CHEMICAL STABILITY: STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

CONDITIONS TO AVOID:

EXTREME HEAT, SPARKS, AND OPEN FLAME. INCOMPATIBLE MATERIALS, OXIDIZERS AND OXIDIZING CONDITIONS.

INCOMPATIBILITIES WITH OTHER MATERIALS:

OXIDIZING AGENTS. STRONG ACIDS AND ALKALIS.

HAZARDOUS POLYMERIZATION: NOT REPORTED.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

1-METHOXY-2-PROPANOL ACETATE:

SKIN EFFECTS:

SKIN - RODENT RABBIT LD50:

>5 GM/KG - (DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INGESTION EFFECTS:

ORAL - RODENT RAT LD50:

8532 MG/KG - (DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

2-METHOXY-1-PROPANOL:

D-LIMONENE:

SKIN EFFECTS:

SKIN - RODENT RABBIT STANDARD DRAIZE TEST: 10%/24H - (MILD) (RTECS)

SKIN - RODENT RABBIT LD50:

>5 GM/KG - (DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

SKIN - MAMMAL SPECIES UNSPECIFIED LD50:

>5 GM/KG - (DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE

VALUE) (RTECS)

INGESTION EFFECTS:

ORAL - RODENT RAT LD50:

4400 MG/KG - (BEHAVIORAL - CHANGES IN MOTOR ACTIVITY (SPECIFIC ASSAY) LUNGS, THORAX, OR RESPIRATION - RESPIRATORY DEPRESSION SKIN AND APPENDAGES - HAIR) (RTECS)

ORAL - RODENT MOUSE LD50:

5600 MG/KG - (BEHAVIORAL - CHANGES IN MOTOR ACTIVITY (SPECIFIC ASSAY) LUNGS, THORAX, OR RESPIRATION - RESPIRATORY DEPRESSION SKIN AND APPENDAGES - HAIR) (RTECS)

PROPYLENE GLYCOL MONOMETHYL ETHER:

EYE EFFECT:

EYE - RABBIT STANDARD DRAIZE TEST: 500 MG/24H - (MILD)(RTECS)

SKIN EFFECTS:

SKIN - RABBIT OPEN IRRITATION TEST: 500 MG - (MILD)(RTECS)

SKIN - RABBIT LD50:

13 GM/KG - (DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INGESTION EFFECTS:

ORAL - RAT LD50:

6600 MG/KG - (BRAIN AND COVERINGS - OTHER DEGENERATIVE CHANGES BEHAVIORAL - GENERAL ANESTHETIC LUNGS, THORAX, OR RESPIRATION - DYSPNEA)(RTECS)

ORAL - MOUSE LD50:

11700 MG/KG - (BEHAVIORAL - CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD BEHAVIORAL - ATAXIA LUNGS, THORAX, OR RESPIRATION - DYSPNEA)(RTECS)

INHALATION EFFECTS:

INHALATION - RAT LC50:

10000 PPM/5H - (DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

## SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: NO ECOTOXICITY DATA WAS FOUND FOR THE PRODUCT.

ENVIRONMENTAL FATE: NO ENVIRONMENTAL INFORMATION FOUND FOR THIS PRODUCT.

## SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

CONSULT WITH THE U.S. EPA GUIDELINES LISTED IN 40 CFR PART 261.3 FOR THE CLASSIFICATIONS OF HAZARDOUS WASTE PRIOR TO DISPOSAL. FURTHERMORE, CONSULT WITH YOUR STATE AND LOCAL WASTE REQUIREMENTS OR GUIDELINES, IF APPLICABLE, TO ENSURE COMPLIANCE. ARRANGE DISPOSAL IN ACCORDANCE TO THE EPA AND/OR STATE AND LOCAL GUIDELINES.

RCRA HAZARD CLASS: D001

IMPORTANT DISPOSAL INFORMATION:

DANGER!

RAGS, STEEL WOOL AND WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED OR STORED. TO AVOID A SPONTANEOUS COMBUSTION FIRE, IMMEDIATELY AFTER USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED, WATER-FILLED, METAL CONTAINER.

## SECTION 14: TRANSPORT INFORMATION

DOT SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S.

DOT UN NUMBER: 1993

DOT HAZARD CLASS: 3

DOT PACKING GROUP: III

IATA SHIPPING NAME:

FLAMMABLE LIQUID, N.O.S. (PROPYLENE GLYCOL MONOMETHYL ETHER), 3, UN 1993, PG III, ERG 128

NAERG NUMBER: 128

TECHNICAL NAME: PROPYLENE GLYCOL MONOMETHYL ETHER

## SECTION 15: REGULATORY INFORMATION

WHMIS PICTOGRAMS:

B - FLAMMABLE AND COMBUSTIBLE MATERIAL

D2 - MATERIALS CAUSING OTHER TOXIC EFFECTS

APPLIES TO ALL INGREDIENTS:

TSCA 8(B):

INVENTORY STATUS:

ALL OF THE CONSTITUENTS OF THIS PRODUCT ARE EITHER TSCA LISTED OR EXEMPT FROM LISTING.

1-METHOXY-2-PROPANOL ACETATE:

SECTION 304 CERCLA RQ: 100 (LBS.)

EC NUMBER: 607-195-00-7

PROPYLENE GLYCOL MONOMETHYL ETHER:

SECTION 304 CERCLA RQ: 100 (LBS.)

STATE:

LISTED IN THE STATE OF MASSACHUSETTS HAZARDOUS SUBSTANCE LIST.

LISTED IN THE PENNSYLVANIA STATE HAZARDOUS SUBSTANCES LIST.

EC NUMBER: 603-064-00-3

COMMENTS:

WARNING:

THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CANADIAN REGULATIONS:

WHMIS HAZARD CLASS(ES): B3; D2B

ALL COMPONENTS OF THIS PRODUCT ARE ON THE CANADIAN DOMESTIC SUBSTANCES LIST.

## SECTION 16: ADDITIONAL INFORMATION

HMIS:

HEALTH HAZARD	2*
FIRE HAZARD	2
REACTIVITY	1
PERSONAL PROTECTION	X

NFPA:

HEALTH	2
FIRE HAZARD	2
REACTIVITY	1

MSDS REVISION DATE: 10/10/2006

MSDS AUTHOR: ACTIO CORPORATION

DISCLAIMER:

THIS HEALTH AND SAFETY INFORMATION IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AT THE DATE OF ITS PUBLICATION BUT WE CANNOT ACCEPT LIABILITY FOR ANY LOSS, INJURY OR DAMAGE WHICH MAY RESULT FROM ITS USE. THE INFORMATION GIVEN IN THE DATA SHEET IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, STORAGE AND THE USE OF THE SUBSTANCE. IT IS NOT A SPECIFICATION NOR DOES IT GUARANTEE ANY SPECIFIC PROPERTIES. ALL CHEMICALS SHOULD BE HANDLED ONLY BY COMPETENT PERSONNEL, WITHIN A CONTROLLED ENVIRONMENT.

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