

M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: VYTRON N
 SYNTHETIC MACHINING FLUID
 FINISHED GOODS:
 1 GALLON = 75014
 5 GALLON = 75054
 55 GALLON = 75554

HMIS CODES:
 Health = 1
 Flammability = 1
 Reactivity = 0

SECTION 1 - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: ITW FLUID PRODUCTS GROUP
 ADDRESS : 3624 west Lake Avenue
 Glenview Illinois 60025

EMERGENCY PHONE : 800-424-9300 (CHEMTREC)
 INFORMATION PHONE: 800-452-5823
 NAME OF PREPARER : Debbie Makita

DATE REVISED : 07/31/99
 SUPERCEDES : 02/16/98

SECTION 2 - REPORTABLE COMPONENTS

COMPONENT/CAS #	EXPOSURE LIMITS	WEIGHT PERCENT
* MONOETHANOLAMINE 141-43-5	OSHA: 3 ppm or 6 mg/m3 TWA ACGIH: 3 ppm or 6 mg/m3 TWA 6 ppm or 15 mg/m3 STEL	1-5%
* DIETHANOLAMINE 111-42-2	ACGIH: 3 ppm or 13 mg/m3 TWA	1-5%
* ETHANOL 64-17-5	OSHA: 1000 ppm or 1900 mg/m3 TWA ACGIH: 1000 ppm or 1880 mg/m3 TWA	1-3%
* TRIETHANOLAMINE 102-71-6	ACGIH: 5 mg/m3 TWA	2-10%

* Indicates chemical) subject to the reporting requirements of OSHA's Hazard Communication Standard.

All components in this product are listed on TSCA.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 173°F
 VAPOR DENSITY: (Air = 1): >1
 COATING V.O.C.: 0.09 lb/gl
 SOLUBILITY IN WATER: Appreciable
 APPEARANCE AND ODOR: Transparent blue liquid with sweet odor

SPECIFIC GRAVITY (H2O=1): 1.03
 EVAPORATION RATE: (BuAc=1): <1
 MATERIAL V.O.C.: 0.09 lb/gl

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200°F
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: NA

METHOD USED: TCC
 UPPER: NA

EXTINGUISHING MEDIA: Water Yes, CO2 Yes, Dry chemical Yes, Foam Yes,
Alcohol foam Yes.
SPECIAL FIREFIGHTING PROCEDURES: Fire fighters should wear self-contained
breathing apparatus in confined areas.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION 5 - REACTIVITY DATA

STABILITY: Chemically stable.
CONDITIONS TO AVOID: Do not mix with products containing nitrites. Under
certain conditions, amines may react with nitrites to form potentially
carcinogenic nitrosamines.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Unlikely at normal room
temperatures. At elevated temperatures eye, nose and throat irritation
may occur.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Slight
irritation.
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Slight irritant.
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Symptoms: Nausea and
vomiting. Do not induce vomiting. If vomiting occurs keep head below
hips to prevent aspiration of liquid into lungs. Call a physician
immediately.
HEALTH HAZARDS (ACUTE AND CHRONIC):
Acute: Slight irritation.
Chronic: Effects are not known.
CARCINOGENICITY: NTP CARCINOGEN: No
IARC MONOGRAPHS: No
OSHA REGULATED: No
ACGIH CARCINOGENICITY: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin disorders.
EMERGENCY AND FIRST AID PROCEDURES:
EYES: Flush well with water. Contact a physician if irritation persists.
SKIN: Wash with soap and water.
INHALATION: No emergency care anticipated under normal conditions.
INGESTION: Do not induce vomiting. Contact a physician. If vomiting
occurs, keep head below hips to prevent aspiration of liquid into
lungs.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

CAUTION: This product is not intended for use with carbide grinding.
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent skin and
eye contact. Mop up or use absorbent material, wash area, discard in
suitable containers.
WASTE DISPOSAL METHOD: Remove to a waste disposal facility operating in
compliance with federal, state, and local regulations.

SHIPPING CLASSIFICATION: Non-hazardous according to IATA, 49 CFR (DOT), and IMDG Regulations.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: None required at normal handling temperatures.

VENTILATION: Local exhaust is recommended for confined areas. General mechanical ventilation is adequate for normal use.

PROTECTIVE GLOVES: Chemical resistant rubber gloves, such as polyvinyl chloride-coated, and other protective gear as required to minimize skin contact.

EYE PROTECTION: Safety glasses. Splash proof goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye bath and safety shower.

WORK/HYGIENIC PRACTICES: Follow current H.M.I S. regulations.

SECTION 9 - DISCLAIMER

ITW Fluid Products Group bases the information and recommendations in this document on data believed to be correct. No warranty of any kind, however, is made as to the information in this document.