

# 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 ROCOL NORTH AMERICA  
 ADDRESS : 3624 west Lake Avenue  
           Glenview Illinois 60026

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

DATE REVISED : 1/23/07  
 SUPERCEDES : 12/16/03

---

## SECTION 2   -   REPORTABLE COMPONENTS

---

COMPONENT	CAS #	WEIGHT PERCENT
-----		
* MONOETHANOLAMINE 141-43-5	OSHA: 3 ppm TWA 6 mg/m3 STEL ACGIH: 3 ppm or 7.5 mg/m3 TWA 6 ppm or 15 mg/m3 STEL	1-5%
* TRIETHANOLAMINE 102-71-6	ACGIH: 5 mg/m3 TWA	2-10%
* DIISOPROPANOLAMINE 110-97-4	NA	1-5%

\* Indicates chemical subject to the reporting requirements of OSHA's Hazard Communication Standard 1910.1200.

All components of this product are listed on TSCA.

California Proposition 65:

This product does not contain any ingredients which are known by the State of California to cause cancer, birth defects, or other reproductive hazards.

---

## SECTION 3   -   PHYSICAL/CHEMICAL CHARACTERISTICS

---

BOILING RANGE: 212°F  
 VAPOR DENSITY: (Air = 1): >1  
 SOLUBILITY IN WATER: Complete  
 APPEARANCE AND ODOR: Transparent blue liquid with sweet odor

SPECIFIC GRAVITY (H2O=1): 1.05  
 EVAPORATION RATE: (BuAc=1): <1

---

#### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

---

FLASH POINT: >200°F METHOD USED: TCC  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: NA 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 - REGULATORY INFORMATION

---

U.S. Federal Regulatory Information:

SARA ETREMELY HAZARDOUS SUBSTANCE: No chemicals in this product exceed the DE Minimus reporting level established on the SARA ETREMELY HAZARDOUS SUBSTANCE LIST.

SARA TITLE III, Section 313: No chemicals in this product exceed the DE Minimus reporting level established by SARA TITLE III, Section 313.

TSCA: All ingredients are listed in TSCA inventory.

CERCLA: Not reportable

---

SECTION 10 - DISCLAIMER

---

ITW ROCOL NORTH AMERICA 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.