



Material Safety Data Sheet

Section 1 - Product Information

Product Name: **#713N Flux**

Manufacturer: Qualitek International, Inc.
315 Fairbank Street
Addison, IL 60101, USA

Emergency Telephone Number: 1-800-535-5053
Information Telephone Number: 1-630-628-8083
Fax Number: 1-630-628-6543

Date Prepared: June 17, 1999

Supersedes: March 12, 1999

Section 2 - Hazardous Ingredients

Hazardous Components:

<u>Chemical</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Wt. %</u>
2 - Propanol	67-63-0	400 ppm	400 ppm	< 75
***Diethanolamine	111-42-2	3 ppm	3 ppm	<3

No other Hazardous ingredients exceed 1%.

Non-Hazardous Components:

Other ingredients are not considered hazardous according to 29 CFR 1910.1200

Hazard Rating Systems

HMIS: Health: 2 Flammability: 3 Reactivity: 0 Personal Protection: C

Section 3 - Physical and Chemical Characteristics

Boiling Point: 180°F (82°C)

Specific Gravity (H₂O = 1 @24°C): 0.889+/-0.006

Melting Point: N/A

Vapor Pressure (mm Hg): 33.00 @68°F

Vapor Density (AIR=1): > 2.07

Evaporation Rate(Butyl Acetate=1): < 2.3

Solubility in Water: Partial

Reactivity in Water: None

Appearance and Odor: Light straw liquid, ethereal odor

Section 4 - Fire and Explosion Data

Flash Point: 53°F

Flammable Limits: LEL 2.5 %

Auto Ignition Temperature: 852°F

UEL 12.0 %

Extinguishing Media: Carbon dioxide, dry chemical or alcohol foam

Special Fire Fighting Procedures: SCBA with full piece and protective clothing is recommended.

Unusual Fire and Explosion Hazards: Closed container may explode when exposed to extreme heat.

Section 5 - Reactivity Data

Stability Stable Unstable

Incompatibility (Materials to Avoid):-Strong oxidizers

Hazardous Decomposition or Byproducts:-May release toxic vapors / gasses such as carbon monoxide and carbon dioxide.

Hazardous Polymerization:-May Occur: Will not Occur:

Conditions to Avoid: -Ignition sources such as sparks and open flames

Section 6 - Health Hazards

Route(s) of Entry: Inhalation? Skin? Ingestion?
 _____: Irritation to eyes, skin, respiratory tract; Ingestion -
 minimal toxicity, small amounts of the liquid aspirated into the respiratory system during ingestion,

Chronic (Long Term) Health Hazards:

Carcinogenicity: None according to NTP, IARC, and OSHA.

_____ : INGESTION - nausea, vomiting, impaired coordination, diarrhea,

burning, drying, cracking, and rash; EYE - stinging, tearing, redness, and swelling

Medical Conditions Generally Aggravated by Exposure Not Determined

Emergency and First Aid Procedures:

physician and get proper medical attention when necessary.

Eye Contact:

Skin Contact Wash thoroughly with soap and water; use lotion to prevent dryness.

: Remove to fresh air.

Drink a lot of water, do not induce vomiting and get proper medical attention.

Steps to be taken in Case Material is Released or Spilled Eliminate ignition sources, implement

Waste Disposal Method

Precautions to be taken in Handling and storage:

sources. Use proper grounding procedures to avoid sparks from static electricity. Keep

Other Precautions

Section 8 - Special Protection Information / Control Measures

_____ Where concentrations may exceed exposure limits use NIOSH/MSHA

Ventilation:

Protective Gloves:

Eye Protection Chemical goggles recommended

_____ As needed to avoid contact.

_____ Wash hands after handling product.

TSCA:

substances maintained by the U.S. Environmental Protection Agency.

_____ If this product is accidentally spilled, it is not subject to any special reporting requirements of the

authorities to determine if there are any local reporting requirements.

_____:

Health, Delayed Health, Fire. Section 313 - This product is not subject to the Community Right-To-Know

DOT:

California Proposition 65:

known to some states to cause birth defects or other reproductive harm.

This information contained herein is based upon data considered accurate and is offered solely for information, consideration and investigation. Qualitek extends no warranties, makes no representations, and assumes no responsibility as to the accuracy, completeness, or suitability of this data for any purchaser's use. The data on the Material Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. All chemical products should be used only by, or under, the direction of technically qualified personnel, who are aware of the hazards involved, and the necessity for reasonable care in handling. Hazard communication regulations, USA Occupational Safety and Health Act (OSHA), and Canada Workplace Hazardous Materials Information System (WHMIS), require that employees must be trained on the use of Material Safety Data Sheets as a source of hazardous information. 713N