


SAFETY DATA SHEET

1. Product and Company Identification			
PRODUCT NUMBER:	2796	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	KOOL IT PLUS	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Metalworking Coolant & Lube	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification				
GHS CLASSIFICATION: Skin Irrit. 2 H315 Eye Irrit, 2 H319	SIGNAL WORD: WARNING	SYMBOL:		
HAZARD STATEMENTS: Causes skin irritation. Causes serious eye irritation.				
PRECAUTIONARY STATEMENTS: Prevention: Wash thoroughly after handling. Wear eye protection, protective clothing, protective gloves. Response: IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see First aid measures on this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.				
OTHER HAZARDS: No additional information available.				
UNKNOWN ACUTE TOXICITY: Not applicable.				

3. Composition / Information on Ingredients			
Chemical Name	CAS	Concentration % by Weight	GHS-US Classification
Diethanolamine	111-42-2	1-5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 STOT RE 2, H373
Ethanolamine	141-43-5	1-5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 STOT SE 3, H335
All hazardous chemicals, as determined by 29 CFR 1910.1200 have been listed. A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.			

4. First Aid Measures
EMERGENCY OVERVIEW
GENERAL: If you feel unwell, seek medical advice (show the label where possible).
EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
SKIN: Take off contaminated clothing and wash it before reuse. Wash with water and soap. If skin irritation occurs: Get medical advice/attention.
INHALATION: Remove the victim into fresh air.
INGESTION: Rinse mouth with water. Do NOT induce vomiting.
MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED: Symptoms/effects after inhalation: None under normal use. Symptoms/effects after skin contact: Causes skin irritation. Symptoms/effects after eye contact: Causes serious eye irritation. Symptoms/effects after ingestion: Gastrointestinal complaints. Nausea. Vomiting.
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Treat symptomatically.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

All extinguishing media allowed.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Reactivity: Thermal decomposition may produce oxides of carbon and nitrogen.

ADVICE FOR FIREFIGHTERS:

Firefighting Instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

General Measures: Isolate from fire, if possible, without unnecessary risk.

For Non-emergency Personnel: Protective Equipment Protective Goggles. Gloves. Protective clothing.

Emergency Procedures: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

For Emergency Responders: Protective Equipment: Use personal protective equipment as required.

Emergency Procedures: Stop leak if safe to do so. Stop release. Ventilate area.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment. Prevent entry to sewers and public waters.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

For Containment: Contain released product, collect/pump into suitable containers.

Methods for Cleaning Up: This material and its container must be disposed of in a safe way, and as per local legislation.

REFERENCE TO OTHER SECTIONS:

No additional information available

7. Handling and Storage

SAFE HANDLING:

Precautions for Safe Handling: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.

HYGIENE MEASURES:

Wash thoroughly after handling. Wash contaminated clothing before reuse.

SAFE STORAGE & INCOMPATIBILITIES:

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible Products: Acids. Strong oxidizers.

Information on Mixed Storage: KEEP SUBSTANCE AWAY FROM: (strong) acids.

Storage Area: Meet the legal requirements. Store in a cool area. Store in a dry area.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

Diethanolamine (111-42-2)		Source
ACGIH	ACGIH OEL TWA	1 mg/m ³
ACGIH	Remark (ACGIH)	Liver & kidney dam

Ethanolamine (141-43-5)		
ACGIH	ACGIH OEL TWA [ppm]	3 ppm
ACGIH	ACGIH OEL STEL [ppm]	6 ppm
ACGIH	Remark (ACGIH)	Eye & skin irr
OSHA	OSHA PEL TWA [1]	6 mg/m ³
OSHA	OSHA PEL TWA [2]	3 ppm

PERSONAL PROTECTIVE EQUIPMENT:

Safety glasses. Protective clothing. Gloves. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



9. Physical & Chemical Properties

Appearance:	Clear, gold, brown.	Flammability(solid/gas):	No data available.
Physical State:	Liquid.	Explosive Limits:	No data available.
Odor:	Mild odor.	Explosive Properties:	No data available.
Odor Threshold:	No data available.	Oxidizing Properties	No data available.
pH:	9-11	Density:	1.05 g/ml
Freezing Point:	No data available.	Relative Density:	No data available.
Melting Point:	No data available.	Relative vapour density at 20°C	No data available.
Flash Point:	> 200°F Closed Cup	Relative evaporation rate (butylacetate=1)	No data available.
Boiling Point:	No data available.	Solubility:	Soluble in water.
Viscosity:	No data available.	Auto-Ignition Temp:	No data available.
Viscosity, kinematic:	No data available.	Decomposition Temp:	No data available.
Viscosity, dynamic:	No data available.	Partition coefficient n-octanol/water (Log Pow):	No data available.
VOC Content:	<7%	Partition coefficient n-octanol/water (Log Kow):	No data available.
Vapor Pressure:	No data available.		

10. Stability & Reactivity Information

REACTIVITY:

Thermal decomposition may produce oxides of carbon and nitrogen.

CHEMICAL STABILITY:

Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Refer to Section 10.1 on Reactivity.

CONDITIONS TO AVOID:

No additional information available.

INCOMPATIBLE MATERIALS:

Acids. Oxidizing agent.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

ACUTE TOXICITY:

Not classified.

Diethanolamine (111-42-2)

LD50 dermal rabbit 8180 mg/kg
ATE CLP (oral) 500 mg/kg bodyweight
ATE CLP (dermal) 8180 mg/kg bodyweight

Ethanolamine (141-43-5)

LD50 oral rat 1720 mg/kg female
LD50 dermal rabbit 1000 mg/kg
ATE CLP (oral) 1720 mg/kg bodyweight
ATE CLP (dermal) 1000 mg/kg bodyweight
ATE CLP (gases) 4500 ppmv/4h
ATE CLP (vapours) 11 mg/l/4h
ATE CLP (dust,mist) 1.5 mg/l/4h

SKIN CORROSION/IRRITATION:

Causes skin irritation.

pH: 9-11

SERIOUS EYE DAMAGE/EYE IRRITATION:

Causes serious eye irritation.

pH: 9-11

RESPIRATORY OR SKIN SENSITIZATION:

Not classified.

GERM CELL MUTAGENICITY:

Not classified.

CARCINOGENICITY:

Not classified.

Diethanolamine (111-42-2)

IARC group 2B - Possibly carcinogenic to humans

REPRODUCTIVE TOXICITY:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY -single exposure:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY -repeated exposure:

Not classified.

ASPIRATION HAZARD:

Not classified.

Symptoms/effects after inhalation : None under normal use.
Symptoms/effects after skin contact : Causes skin irritation.
Symptoms/effects after eye contact : Causes serious eye irritation.
Symptoms/effects after ingestion : Gastrointestinal complaints. Nausea. Vomiting.
Likely routes of exposure : Skin and eyes contact

12. Ecological Information

TOXICITY:

No additional information available.

PERSISTENCE AND DEGRADABILITY:

No additional information available.

BIOACCUMULATIVE POTENTIAL:

No additional information available.

13. Disposal Consideration

PRODUCT/PACKAGING DISPOSAL RECOMMENDATIONS:

Dispose in a safe manner in accordance with local/national regulations.

14. Transportation Information

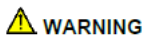
DOT: In accordance with DOT : Not regulated for transport
IATA: No additional information available.
IMDG: In accordance with DOT : Not regulated for transport
ADR: In accordance with DOT : Not regulated for transport
ADDITIONAL INFORMATION:
No supplementary information available.

15. Regulatory Information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Diethanolamine (111-42-2)	1.058 – 1.573%
Diethanolamine (111-42-2)	CERCLA RQ100 lb



WARNING

This product can expose you to Diethanolamine, which is known to the State of California to cause cancer.
For more information go to www.P65Warnings.ca.gov.

16. Other Information

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.