

MATERIAL SAFETY DATA SHEET

TOWER OIL & TECHNOLOGY COMPANY
205 WEST RANDOLPH STREET
CHICAGO, ILLINOIS 60606

PRODUCT NAME: KLENEDRAW W-4177
CHEMICAL FAMILY: WATER SOLUBLE ORGANIC SOAPS
MSDS NUMBER: 625
REVISION DATE: October 23, 2007

INFORMATION PHONE: 1-312-346-0562
EMERGENCY PHONE: 1-800-424-9300 (CHEMTREC)

HMIS/NFPA HAZARD	
HEALTH:	1
FLAMMABILITY:	0
REACTIVITY:	0

I. PHYSICAL DATA

BOILING POINT: N/A
VAPOR PRESSURE: <0.01 mm Hg
SOLUBILITY IN WATER: Miscible
EVAPORATION RATE: <1 (BA = 1)
SPECIFIC GRAVITY: 1.03 (WATER = 1)
PERCENT VOLATILE BY VOLUME: N/A (contains no VOC's)
APPEARANCE: Amber liquid
ODOR: Bland
VISCOSITY: N/A
VAPOR DENSITY: >1 (AIR = 1)

II. HAZARDOUS INGREDIENTS

MATERIAL	%	ACGIH TLV	OSHA PEL	CAS #
NONE	-	-	-	-

III. FIRE AND EXPLOSION DATA

FLASH POINT: NONE

FLAMMABLE LIMITS - LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA:
N/A

SPECIAL FIRE FIGHTING PROCEDURES:
If near fire, use cold water to cool containers and prevent rupture.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None known.

IV. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon when water content has evaporated and residue is exposed to combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

V. HEALTH HAZARD DATA

TLV (THRESHOLD LIMIT VALUE): N/D

CARCINOGENICITY:

None of the constituents of this product have been identified as possible or proven carcinogens by NTP, IARC, or OSHA.

-EFFECTS OF OVEREXPOSURE-

ACUTE:

Possible skin and eye irritant. The entire amine content has been converted into soaps.

CHRONIC:

Skin irritation from long-term or repeated skin exposure may cause development of dermatitis.

-EMERGENCY FIRST AID PROCEDURES-

INHALATION: N/A

INGESTION: Do not induce vomiting. Get medical attention.

EYE CONTACT: Flush with water for 15 minutes or until irritation subsides.

SKIN CONTACT: Wash with warm water and mild soap. Remove contaminated clothing.

VI. SPILL AND LEAK PROCEDURES

IF MATERIAL IS RELEASED OR SPILLED:

Contain spill and transfer to suitable containers or soak up in absorbent medium. If spill enters sewer, notify Authorities.

WASTE DISPOSAL:

Disposal procedure must be in accordance with LOCAL, STATE & FEDERAL REGULATIONS.

VII. SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION:** N/A**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Splash goggles, face shield.**OTHER PROTECTIVE EQUIPMENT:**

Impervious apron if needed to avoid prolonged or repeated skin contact.

-VENTILATION-**LOCAL EXHAUST:** N/A**SPECIAL:** N/A**MECHANICAL (GENERAL):** N/A**OTHER:** N/A**VIII. SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Keep containers closed when not in use. Protect from freezing temperatures. Avoid heating above 120°F for prolonged periods of time.

PERSONAL HYGIENE - Wash thoroughly before meals and at end of work periods. Launder or dry-clean soiled clothing before reuse.**IX. ENVIRONMENTAL REGULATIONS/FEDERAL EPA****SARA III** (Superfund Amendment and Reauthorization Act of 1986)
40 CFR Part 372 and 40 CFR Part 355

Sections 302, 304 and 40 CFR Part 355 - Extremely Hazardous Substances:

COMPONENT	%	RQ (lbs.)	TPQ (lbs.)	CAS #
NONE	-	-	-	-

Sections 311, 312 and 40 CFR Part 355 - Hazard Categories:

ACUTE (IMMEDIATE HEALTH HAZARD):	YES	FIRE HAZARD:	NO
CHRONIC (DELAYED HEALTH HAZARD):	NO	REACTIVE HAZARD:	NO
SUDDEN PRESSURE RELEASE:	NO		

Section 313 and 40 CFR Part 372 - Toxic Chemicals:

COMPONENT	%	CAS #
NONE	-	-

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

Section 102 and 40 CFR Part 302 - Hazardous Substances:

COMPONENT	%	RQ (lbs.)	CAS #
NONE	-	-	-

CLEAN WATER ACT

Under section 311 (b) (4) of this act, contamination of surface waters by petroleum products must be reported immediately to the National Response Center.

SECTION 311 (b) (4) DOES NOT APPLY TO KLENEDRAW W-4177.

X. STATE RIGHT-TO-KNOW**TSCA (Toxic Substances Control Act) Status**

All components of this formula are included in the TSCA inventory.

HMIS/NFPA HAZARD: 4 = SEVERE 3 = SERIOUS 2 = MODERATE 1 = SLIGHT 0 = MINIMAL

N/D = NOT DETERMINED N/A = NOT APPLICABLE < = LESS THAN > = GREATER THAN

The information appearing in this document is based upon data obtained from raw material manufacturers and/or recognized technical sources. While this information is believed to be correct, TOWER OIL & TECHNOLOGY makes no representations as to its accuracy or sufficiency, usage, or the hazards connected with the use of this material. Since this product may be applied under conditions unfamiliar to us or beyond our control, we claim no responsibility for the results of its use, and users are responsible for the verification of this information under their own operating conditions to determine whether the product is suitable for their particular purposes, and these users assume all risks of their use, handling, and disposal of the product. This information relates only to the product designated above and does not relate to its use in combination with any other material in any other process.

TOWER OIL & TECHNOLOGY CO.

October 23, 2007