

**Material Safety Data Sheet
PantherKlean 2000®**

Panther Industries Inc. 108 Internal Rd Davidson, SK 306.567.2814	HMIS HEALTH.....1 HMIS FLAMMABILITY.....0 HMIS REACTIVITY.....0 PERSONAL PROTECTION.....B
EMERGENCY NUMBER..... 306.567.2814	

SECTION 1 – IDENTIFICATION OF CHEMICAL PRODUCT

PRODUCT NAME:.....PantherKlean 2000 Degreaser®
EFFECTIVE DATE:.....Oct 04 2007
CHEMICAL FAMILY:.....Compound Cleaning Liquid
FORMULA:.....Proprietary
CAS NUMBER:.....Proprietary Blend

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	PEL
Alkylphenol Ethoxylate	Confidential	Trade Secret	None Established
Glycol Ether EB	Confidential	111-76-2	OSHA TWA (Skin) 50 ppm

The criteria for listing components in the composition are as follows: Carcinogens are listed when present at 0.1% or greater; components which are other wise hazardous according to OSHA are listed when present at 1.0% or greater. Non-hazardous components may be listed at 3.0% or greater if no proprietary in nature. This is not intended to be complete compositional disclosure. Refer to section 14 for applicable states right to know and other regulatory information.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE/ODOR:..... Clear Bluish – Purple Liquid/Mild Odor
SHORT TERM EXPOSURE.....**GENERAL:** No significant adverse health effects are expected to develop with normal use. **EYES:** Slight to moderate irritant. **SKIN:** Persons with pre-existing skin disorders may experience slight irritation. **INHALATION:** no adverse effects with normal use. **INGESTION:** No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed.
OSHA REGULATED:..... No
LISTED CARCINOGEN:..... NTA: No
IARC MONOGRAPHS: No

POTENTIAL HEALTH EFFECTS

INHALATION:..... Irritant
INGESTION:..... Irritant
SKIN (DERMAL):..... Irritant
OVER EXPOSURE EFFECTS:.....No evidence of adverse effects from available information.

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SECTION 4 – FIRST AID MEASURES

INHALATION:..... Move subject to fresh air.
FIRST AID:..... In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapor or spray mist, remove to fresh air. If swallowed, do not induce vomiting get immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLASHPOINT:.....Non-Flammable Material
EXTINGUISHING MEDIA:..... Water fog or spray, dry powder, Carbon Dioxide (CO2)
DECOMPOSITION PRODUCTS:..... From fire; Smoke Carbon Dioxide & Carbon Monoxide
LOWER FLAME LIMIT:..... NA
HIGHER FLAME LIMIT:..... NA
UNUSUAL FIRE AND EXPLOSION HAZARDS:..... Containers may explode from internal pressure if confined to fire. Cool with water, Keep unnecessary people away.
FIRE FIGHTING EQUIPMENT:..... Fire Fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CHEMICAL EMERGENCY NUMBER (24 HOURS):..... **1-306-567-2814**
SPILL:..... In case of spillage, dilute with water to sewer if allowed by local regulations, or absorb with inert material and dispose of in accordance with applicable regulations.
RCRA STATUS:..... None

SECTION 7 – HANDLING AND STORAGE

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND PROMPT REMOVAL OF MATERIAL FROM EYES, SKIN AND CLOTHING.

HANDLING AND STORAGE:.....No special storage requirements.
PRECAUTIONARY MEASURES:..... Provide fresh air ventilation during and after application. Close container after each use. Avoid prolonged or repeated contact

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with skin, eyes and clothing. After handling this product, wash hands before eating, drinking or smoking. If needed, take first aid action shown in Section 4.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting protective equipment.

EYE PRTECTION:..... Use goggles or face shield if splashing is likely.
RESPIRATORY PROTECTION:..... Not normally needed. Use NIOSH approved vapor respirator if exposure is unknown or exceeds permissible limits.

Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134

PROTECTIVE GLOVES:..... Wear impervious gloves
VENTILATION:..... Local exhaust
MECHANICAL EXHAUST:..... Desired in closed places
LOCAL EXHAUST:..... Recommended

VENTILATION NOTES: Provide natural or mechanical ventilation to control exposure levels below Airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust systems.

THRESHOLD LIMIT VALUE:.....None Established for this Product.
PROTECTIVE EQUIPMENT: HMIS PERSONAL PROTECTION: B: Safety Glasses, Gloves
The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR:..... Clear Bluish – Purple Liquid/Mild Odor
BOILING POINT:..... 212° f
FREEZING POINT:..... 32° F
VAPOR PRESSURE:..... Similar to Water
VAPOR DENSITY (AIR = 1):..... > 1
SPECIFIC GRAVITY:..... 1.01 g/CC
Ph:..... 12.00 – 12.5
SOLUBILITY IN WATER:.....Complete

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:..... Stable

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HAZARDOUS POLYMERIZATION:..... Will Not Occur
POLYMERIZATION AVOID:..... None
INCOMPATIBILITY:..... Oxidizers or Oxidizing Materials
CONDITIONS TO AVOID:..... Excessive Heat

SECTION 11 – TOXICOLOGICAL INFORMATION

EYE EFFECTS:

The eye irritation hazard is based on data from information supplied by raw material(s) supplier(s).

SKIN EFFECTS:

The skin irritation hazard is based on data from information supplied by raw material(s) supplier(s).

ACUTE ORAL EFFECTS:

The acute oral toxicity is based on data from information supplied by raw material(s) supplier(s).

ACUTE INHALATION EFFECTS:

The acute respiratory toxicity is based on data from information supplied by raw material(s) supplier(s).

SECTION 12 – ECOLOGICAL INFORMATION

Data from laboratory studies and from scientific literature is noted below if available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:..... Follow State Regulations.

SECTION 14 – TRANSPORTATION INFORMATION

The data provided in this section is for information only. The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate regulations to properly classify your shipment for transportation.

PROPER SHIPPING NAME:..... DOT NON-REGULATED PantherKlean 2000 DEGREASER
REPORTABLE QUANTITY:..... None
HAZARD CLASS AND LABEL:..... NON-REGULATED
UN NUMBER:..... None
NA NUMBER:..... None
PACKAGING SIZE:..... 5 GALLON PAILS OR 55 GALLON DRUMS

SECTION 15 – REGULATORY INFORMATION

SARA 311 CATEGORIES:

EPA ACUTE:..... Yes (Eyes)
EPA CHRONIC:..... No
EPA IGNITABILITY:..... No

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EPA REACTIVITY:..... No
EPA SUDDEN RELEASE OF PRESSURE:..... No
CERCLA RQ VALUE:..... None
SARA TPQ:..... None
SARA RQ:..... None
EPA HAZARD WASTE#:..... None
CLEAN AIR:..... NA
CLEAN WATER:..... NA
SARA SECTION 313:..... No
NFPA HEALTH:..... 1
NFPA FLAMMABILITY:..... 0
NFPA REACTIVITY:..... 0
DEA Chemical Trafficking Act:.....
TSCA STATUS:..... All ingredients in this product are one the TSCA
Inventory List.

SECTION 16 – ADDITIONAL INFORMATION

FOOT NOTES: NOT APPLICABLE ND – NO DATA AVAILABLE > = GREATER THAN < = LESS THAN

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Company Health and Risk Assessment Unit, PO Box 1519, Gretna, La 70054-1519

REVISION STATEMENT: Changes have been made throughout this Material Safety Data Sheet. Please read the entire document.

DISCLAIMER:

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