

**PRODUCT INFORMATION****PRODUCT NAME:** STA-BOND**CHEMICAL NAME:** Anionic Polyacrylamids in Water-in-oil Emulsions**PRODUCT USE:** Sta-Bond is used as a viscosifier, shale stabilizer and flocculent in drilling and coring applications.**MANUFACTURER:** Rhodia Canada Inc.  
Home, Personal Care & Industrial Ingredients  
2000 Argentia Road  
Plaza 3, Suite 400  
Mississauga, Ontario L5N 1V9  
EMERGENCY TELEPHONE: 1-800-334-7577**SUPPLIER:** Panther Industries Inc.  
Box 628  
Davidson, Sk. SOG 1A0**EMERGENCY TELEPHONE:** 1-306-567-2814**HAZARDOUS INGREDIENTS**

Ingredient	CAS#:	Percent	WHMIS
<b>HAZARD</b>			
Mineral Spirits	64742-47-8	30-60	N
Alkyl Phenol Ethoxylate	68412-54-4	3-7	N
Ethoxylated c12-15 Alcohol	68131-39-5	0.5-1.5	N
Acrylamide	79-06-1	<0.1	Y
Dioxane	123-91-1	<0.0005	Y
Ethylene Oxide	75-21-8	<0.0005	Y

**PHYSICAL DATA****ODOUR AND APPEARANCE:** Blue liquid emulsion**VAPOUR PRESSURE:** Not applicable**VAPOUR DENSITY (Air=1):** Not determined**EVAPORATION RATE:** Not available**PH:** 7 to 9 at 0.6 wt/wt%**MELTING POINT:** Not available**BOILING POINT:** Not available**SOLUBILITY IN WATER:** 100%**SPECIFIC GRAVITY:** 1.07 g/cc**% VOLATILE BY VOLUME:** < 50**VISCOSITY:** 1400 to 1800 cps at 25° C**FIRE AND EXPLOSION DATA****FLASH POINT:** 70°C**CONDITIONS OF FLAMMABILITY:** Combustible**MEANS OF EXTINGUISHING:** Small fires: Dry chemical, carbon dioxide  
Large fires: Alcohol foam, universal foam, water spray.**UPPER FLAMMABLE LIMIT:** Not applicable**LOWER FLAMMABLE LIMIT:** Not applicable**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of nitrogen, Oxides of carbon.**SPECIAL FIRE FIGHTING PROCEDURE:** Firefighters should wear NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.**FIRE AND EXPLOSION HAZARDS:** None

**REACTIVITY DATA**

**STABILITY:** Stable.

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO BE AVOIDED:** Contamination, heat, open flame, spark and static electricity.

**MATERIALS/CHEMICALS TO BE AVOIDED:** Strong oxidizing agents and strong reducing agents.

**THE FOLLOWING HAZARDOUS DECOMPOSITION PRODUCTS MIGHT BE**

**EXPECTED:** Oxides of nitrogen and oxides of carbon

**DECOMPOSITION TYPE:** Thermal

**HEALTH HAZARD DATA**

**INHALATION:** No test data found for product.

**SKIN AND EYE CONTACT:**

**Toxicological Information and Interpretation:**

Eye - eye irritation, rabbit

Severly irritating

Skin - skin irritation, rabbit

Moderatly irritating

**ACUTE DERMAL TOXICITY:** LD<sup>50</sup> - lethal dose 50% of test species, 4400 mg/kg, rabbit.

**ACUTE ORAL TOXICITY:** LD<sup>50</sup> - lethal dose 50% of test species, 3000 mg/kg, rat

**INGESTION:** LD50 - (oral, rat) 2290 mg/kg based on components.

**CRONIC TOXICITY:** This product contains the substances that are considered to be probable or suspected human carcinogens as follows:

Acrylamide	Regulatory 2A	ACGIH A2
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No additional test data found for product. Humans exposed to acrylamide have developed peripheral neuropathies with mid-brain disturbances and numbness, paresthesias and weakness, particularly in the lower limbs. Bluish cold hands which dripped sweat, erythems, and peeling of the palms have also been described.

**FIRST AID MEASURES**

**SKIN CONTACT:** In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

**EYE CONTACT:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

**INGESTION:** If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconcious person. Seek medical attention. Do not leave victim unattended.

**INHALATION:** Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**PREVENTATIVE MEASURES**

**RESPIRATORY PROTECTION:** Approved organic vapour-type respirator in absence of proper ventilation.

**SKIN PROTECTION:** Neoprene gloves.

**EYE PROTECTION:** Approved goggles.

**VENTILATION:** Recommended control of vapours.

**OTHER PROTECTIVE EQUIPMENT:** Impervious rubber apron. Make eye bath available.

**OTHER PRECAUTIONS:** Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact.

**ENVIRONMENTAL PROTECTION DATA**

**STEPS IN THE EVENT OF A LEAK OR SPILL:** ( Use appropriate safety equipment) For small spills, soak up with absorbent material. For large spills, dike to contain spill to prevent water pollution. Recover diked material; return recovered material to plant.

**WASTE DISPOSAL METHODS:** Absorb with an inert absorbent. Sweep up and place in an appropriate closed container. Clean up residual material by washing area with water. Collect washings for disposal.

**PREPARATION INFORMATION**

**MSDS PREPARED BY:** Technical Department  
Panther Industries Inc.  
Davidson, Sask.

**TELEPHONE NUMBER:** (306)567-2814

**DATE PREPARED/REVISED:** Jan 2006

**DATE PRINTED:** Jan 2006

**REFERENCES:** 1. Manufacturers MSDS.