



Material Safety Data Sheet

AG-57L

Date Prepared: 7/19/06

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1. PRODUCT AND COMPANY DESCRIPTION

Rhodia Canada Inc
RHODIA NOVECARE
3265 Wolfedale Road
Mississauga ON L5C 1V8

Emergency Phone Numbers:

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CANUTEC at 613-996-6666 (call collect) or Rhodia CAERS (Communication and Emergency Response System) at 800-916-3232.

For Product Information:

(905) 270-5534

Product Use:

OIL FIELD.

Chemical Name or Synonym:

POLYACRYLAMIDE POLYMER

Prepared By:

Product Safety Service Center, Mississauga, Ontario, (905) 270-5534.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	WHMIS Hazard	Percentage
MINERAL SPIRITS	64742-47-8	Y	15 - 40
ANIONIC POLYACRYLAMIDE	*****	N	
RESIDUAL ACRYLAMIDE MONOMER	79-06-1	Y	< 0.1

3. HAZARDS IDENTIFICATION

A. EMERGENCY OVERVIEW:

Physical Appearance and Odor:

cloudy / liquid, hydrocarbon odor.

Warning Statements:

WARNING!! COMBUSTIBLE LIQUID.

B. POTENTIAL HEALTH EFFECTS:**Acute Eye:**

Slightly irritating. May cause redness, irritation.

Acute Skin:

Slightly irritating. May cause redness, inflammation, rash, dryness, loss of natural oils, Low acute dermal toxicity.

Acute Inhalation:

May cause coughing, sore nose, sore throat, lung irritation.

Acute Ingestion:

May cause nausea, vomiting, diarrhea, abdominal cramps.

Chronic Effects:

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens. Prolonged contact may cause liver damage, kidney damage.

4. FIRST AID MEASURES

FIRST AID MEASURES FOR ACCIDENTAL:**Eye Exposure:**

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

Skin Exposure:

In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

Inhalation:

Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

Ingestion:

If victim is conscious and alert, give 2-3 glasses of water to drink and do not induce vomiting. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

No specific information found.

NOTES TO PHYSICIAN:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

INGESTION: Gastric decontamination including emesis is virtually never warranted because of the poor absorption and low toxicity of aliphatic hydrocarbons and petroleum distillates. Both emesis and gastric lavage carry significant risk of aspiration pneumonitis. Spontaneous emesis and even the act of ingestion may also cause aspiration pneumonitis.

ASPIRATION: May occur from ingestion itself or following emesis or gastric lavage. The pneumonitis may impair gas exchange which can be further impaired by CNS respiratory depression if the solvent was also inhaled. Arterial blood gases should be used to monitor the patient. Supportive treatment and close monitoring of the patient is necessary.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

Flash Point:

66 C (150 F). Flammability Class: COMBUSTIBLE.

Method Used:

Pensky-Martens Closed Cup

Flammability Limits (vol/vol%):

Lower:	Upper:
No Data	No Data

Extinguishing Media:

Recommended: dry chemical, foam, carbon dioxide, Not recommended: water (burning material will float).

Special Fire Fighting Procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Move containers from fire area if you can do so without risk. Cool containers exposed to fire with water. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards:

Containers may explode (due to the build-up of pressure) when exposed to extreme heat. Vapors may travel a considerable distance to a source of ignition and flash back along vapor trail.

Hazardous Decomposition Materials (Under Fire Conditions):

oxides of nitrogen
oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

Evacuation Procedures and Safety:

Wear appropriate protective gear for the situation. See Personal Protection information in Section 8. Eliminate all sources of ignition until the area is determined to be free from explosion or fire hazards. Place leaking containers in a well-ventilated area.

Containment of Spill:

Dike spill using absorbent or impervious materials such as earth, sand or clay. Stop leak if it can be done without risk.

Cleanup and Disposal of Spill:

Absorb with an inert absorbent. Shovel up into an appropriate closed container (see Section 7: Handling and Storage). Use non-sparking tools. Recover material, if possible.

Environmental and Regulatory Reporting:

Prevent material from entering public sewer system or any waterways. Do not flush to drain. Runoff from fire control or dilution water may cause pollution. Dispose of as a hazardous waste.

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures:

15 to 35 C (59 to 95 F)

Handling:

Store, transfer and handle under a blanket of inert gas. Do not breathe vapors and mists. Avoid direct or prolonged contact with skin and eyes. Use nonsparking tools and grounded/bonded equipment and containers when transferring. Keep containers closed when not being used.

Storage:

Certain state and local regulations may limit storage quantities, arrangements and locations. These regulations should be considered for storage and handling of this and any other flammable liquid. Store in tightly closed containers. Store in an area that is diked, well-ventilated, away from combustible material, away from ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory Remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Exposure Guidelines:

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting the regulatory requirements. The following limits apply to this material, where, if indicated, S=skin and C=ceiling limit:

MINERAL SPIRITS

	Notes	TWA	STEL
SUPPLIER		500 ppm	

RESIDUAL ACRYLAMIDE MONOMER

	Notes	TWA	STEL
ACGIH	S	0.03 mg/cu m	

Engineering Controls:

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation, local exhaust ventilation at the point of generation.

Respiratory Protection:

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne

concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s): Air-purifying (half-mask/full-face) respirator with cartridges/canister approved for use against organic vapors. Under conditions immediately dangerous to life or health, or emergency conditions with unknown concentrations, use a full-face positive pressure air-supplied respirator equipped with an emergency escape air supply unit or use a self-contained breathing apparatus unit.

Eye/Face Protection:

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

Skin Protection:

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work Practice Controls:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

Physical Appearance:

cloudy / liquid.

Odor:

hydrocarbon odor.

pH:

5 to 8 at 10 wt/wt%.

Specific Gravity:

Not Available

Density:

1.02 g/ml at 25 C (77 F).

Water Solubility:

soluble

Melting Point Range:

Not Available

Freezing Point Range:
< 0 C (32 F)

Boiling Point Range:
Not Available

Vapor Pressure:
Not Available

Vapor Density:
Not Available

10. STABILITY AND REACTIVITY

Chemical Stability:
This material is stable under normal handling and storage conditions described in Section 7.

Conditions To Be Avoided:
combustible materials
electric arcs
open flame
spark
static electricity

Materials/Chemicals To Be Avoided:
strong bases
strong acids
strong oxidizing agents

The Following Hazardous Decomposition Products Might Be Expected:

Decomposition Type: thermal
oxides of nitrogen
oxides of carbon

Hazardous Polymerization Will Not Occur.

Avoid The Following To Inhibit Hazardous Polymerization:
not applicable

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation:
No test data found for product.

Acute Skin Irritation:
No test data found for product.

Acute Dermal Toxicity:
No test data found for product.

Acute Respiratory Irritation:

No test data found for product.

Acute Inhalation Toxicity:

No test data found for product.

Acute Oral Toxicity:

No test data found for product.

Chronic Toxicity:

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

Ingredient Name	Regulatory Agency Listing Carcinogen	
	IARC	ACGIH
RESIDUAL ACRYLAMIDE MONOMER	2A	No

12. ECOLOGICAL INFORMATION

Ecotoxicological Information:

No data found for product.

Chemical Fate Information:

No data found for product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Waste Management options should first consider possible re-use or recycling opportunities. Some provinces have active "Waste Exchange" networks for re-use and recycling of wastes. Contact your local waste management companies to explore available options. All waste management activities must obey local, provincial and federal regulations. Possible disposal methods include the following:

Incinerate directly or in combination with a flammable solvent.

Container Handling and Disposal:

Any containers or equipment used should be decontaminated immediately after use.

14. TRANSPORTATION INFORMATION

Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification.

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

TDG Status:

Shipping Name: NON DANGEROUS

IMO Status:

Shipping Name: NOT DETERMINED

IATA Status:

Shipping Name: NOT REGULATED

15. REGULATORY INFORMATION**Inventory Status**

Inventory	Status
UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	P
AUSTRALIA (AICS)	Y
JAPAN (MITI)	N
SOUTH KOREA (KECL)	N

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

Inventory Issues:

All functional components of this product are listed on the TSCA Inventory.

WHMIS Classification:

B-3 : COMBUSTIBLE LIQUID

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION**National Fire Protection Association Hazard Ratings--NFPA(R):**

- 1 Health Hazard Rating--Slight
- 2 Flammability Rating--Moderate
- 0 Instability Rating--Minimal

National Paint & Coating Hazardous Materials Identification System--HMIS(R):

- 1 Health Hazard Rating--Slight
- 2 Flammability Rating--Moderate
- 0 Reactivity Rating--Minimal

Reason for Revisions:

Regulatory Review and Update.

Key Legend Information:

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

TLV - Threshold Limit Value

PEL - Permissible Exposure Limit

TWA - Time Weighted Average

STEL - Short Term Exposure Limit

NTP - National Toxicology Program

IARC - International Agency for Research on Cancer

ND - Not determined

RHODIA - Rhodia Established Exposure Limits

Disclaimer:

The information herein is given in good faith but no warranty, expressed or implied, is made.

**** End of MSDS Document ****