

MATERIAL SAFETY DATA SHEET > Carbonaceous Agglomerating Chemistry

SECTION 1 - PRODUCT IDENTIFICATION

Manufacturer: VARY Petrochem, LLC Phone: 513-277-0411
Address: 1103 Memphis Ave Cleveland Oh 44144 Product Type: Bituminous Extraction
Trade Name: Carbonaceous Agglomerating Chemistry (CAC-24)

HMIS Hazard Rating: Health.....1 0 = Least
Flammability....0 1 = Slight
Reactivity.....0 2 = Moderate
3 = High
4 = Extreme

SECTION 2 - INGREDIENTS

Proprietary - Non-Hazardous

SECTION 3 - PHYSICAL DATA

pH: 7.0-8.0 Viscosity: As Water
Boiling Point (°F): 212°F Freezing Point: 32°
LBS Per Gallon: 9.4 Percent Volatile (by weight): 0
Vapor Pressure: (mm Hg) Not Determined Vapor Density (Air = 1): Not Determined
Solubility in Water: Complete Evaporation Rate (vs. H2O): About the Same
Odor: Slight Appearance: Colorless Liquid

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point (T.C.C.) None Flammable Limits: None
Special Firefighting Procedure: None Auto Ignition Temperature: None
Extinguishing Media: Product is non-combustible and will not burn

SECTION 5 - REACTIVITY DATA

Stability: Stable Incompatibility: None
Unstable Conditions to Avoid: None known
Hazardous Decomposition Products: None known
Hazardous Polymerization Conditions to Avoid: Will not occur

SECTION 6 - HEALTH HAZARD DATA

Primary Routes of Exposure: Eye Skin Oral Inhalation Other
Signs and Symptoms of Direct contact with eyes may cause severe irritation, pain and swelling of conjunctive
and possible
Overexposure (Acute): Corneal damage if not promptly treated. May cause moderate to severe skin irritation
with prolonged or repeated contact. Ingestion can cause severe irritation to mouth, nose, throat and
stomach along with nausea and vomiting.
Signs and Symptoms
Overexposure (Chronic): None currently known OSHA: None
Medical Conditions Aggravated by Overexposure: None currently known I.A.R.C. Monographs: None
Carcinogen or Suspect Carcinogen Ingredients: None National Toxicology Program: None

SECTION 7 - EMERGENCY FIRST AID PROCEDURES

Eyes: Flush eyes for at least 15 minutes and call a physician immediately
Skin: If irritation persists, call a physician
Ingestion: If swallowed, immediately drink water to dilute, and call a physician.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required under normal use conditions with good ventilation.
Ventilation Requirements: Normal
Eye Protection: Wear safety glasses, goggles, or safety shield when there is potential for eye contact.
Other Protective Clothing: None required other than what is appropriate during specific manufacturing operations.

SECTION 9 - SPILL, LEAD, OR DISPOSAL PROCEDURES

Steps to Be Taken in Case of Material Spill or Release:

Do not walk through spilled material as floors may be slippery. Stop leak if possible without risk. Dike large spills to prevent run-off. Mop, pump or collect with sand or other inert absorbent and reclaim into containers for reuse, recycle, or proper disposal.

Waste Disposal Methods:
and regulations.

Dispose of in compliance with Federal, State and Local laws

SECTION 10 – STORAGE AND HANDLING INFORMATION

Precautions to Be Taken in Handling and Storage:

Avoid freezing. No special requirements if product is handled according to good manufacturing practice. Avoid contact with eyes and keep material containers closed when not in use. Wash hands after handling.

D.O.T. Classification:

Class 55 non-hazardous

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of over-exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use. The information provided herein is compiled from internal reports and data from industry publications. It is furnished without warranty of any kind, expressed or implied. This information is intended to assist in evaluating the suitability and proper use of the material in manufacturing and in the development and implementation of safety precautions and procedures.