

# Radchem Products, Inc.



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## Market Report

by Bill Radostits

Citgo Petroleum has returned to full solvent production at the refinery in Lemont, Illinois after a maintenance shutdown involving their UDEX Unit was down for several weeks. Citgo is building inventory on VM&P and Heptane, and reports strong inventory on all other Aliphatic Hydrocarbon Solvents. Calumet increased inventory of VM&P and Heptane in Illinois by bringing in some additional railcars into the Bulkmatc Chicago Heights Terminal. Flint Hills Resources is in the middle of a maintenance turnaround at their Corpus Christi Refinery where they produce various Aromatic Hydrocarbon Solvents. Their inventory of Aromatic 150 Naphtha Depleted product is very tight. New orders are not being accepted until mid November.

On September 30, 2015, Ineos Phenol acquired the Aromatics business from Axiall. The acquisition includes Axiall's acetone, phenol, and alpha Methylstyrene business in addition to the Cumene plant in Pasadena, Texas. Ineos was most interested in the Cumene supply that will result in greater yields at their Acetone/Phenol plant in Mobile, Alabama. This acquisition will allow Ineos to grow their business.

Glycols continue to soften in the market. Since October 1<sup>st</sup>, Ethylene Glycol dropped another \$.03/LB, Diethylene Glycol dropped \$.01/LB, and Propylene Glycol Industrial Grade has decreased between \$.03/LB and \$.05/LB based on several different supply sources.

It was announced earlier in the month by a number of ethanol producers that the ethanol prices would most likely increase by \$.10 per gallon in the 4<sup>th</sup> quarter or early in 2016 because corn crop yields were expected to be lower. Since that announcement in early October, and if farmers don't hold inventory, corn production will result in higher yields than expected and producers have indicated that the prices will remain flat.

Last year, propane was in high demand due to farmers using excessive quantities of propane in the process of drying out their corn during a very wet fall harvest. In 2014, the October average wholesale rack price before taxes was \$1.10 per gallon. Current propane wholesale rack pricing is at \$.58 per gallon or nearly 50% of the value.

## Radchem donates to the USO of Illinois

"The USO of Illinois is grateful to Radchem Products, Inc. for the generous donation of tickets to Chicago White Sox games this season, which afforded numerous Illinois' military personnel and their families the opportunity to not only attend a game, but to also reconnect after returning home, or simply enjoy time together with loved ones. By far the USO of Illinois' most popular program, in 2014 the USO Tickets for Troops program distributed over 11,000 free tickets to the military community to cultural, theatrical and sporting events, and is on pace to exceed these numbers in 2015 thanks to the support of donor organizations and partners such as yourselves.

Since 1941, the USO has served as a private, civilian 501 (c) (3) non-profit organization that receives no direct government funding, but relies solely on the generosity of the American people. Our mission is to enhance the quality of life and lift the spirits of America's troops and their families through local programs and centers in appreciation of their service and sacrifice.

Thank you, Radchem Products, Inc., on behalf of the Illinois military and families we serve!"



To place an order, please call our main office at (708) 966-4044; or email PO's to our NEW Customer Service email address:

[cs@radcheminc.com](mailto:cs@radcheminc.com)



## Radchem Products adds Total Special Fluids to Meet Your Present and Future Requirements-Part 2

by Alan May

In the last newsletter we discussed the Total Ketrol and Isane product lines. This month we will discuss the Hydroseal, Spirdane, Solvarex, and aromatic categories.

### Hydroseal Low VOC Organic Fluids

Total has developed a specific hydrogenation process for the Hydroseal hydrocarbon fluids. The outstanding performance qualities of the Hydroseal line include:

- Very low aromatic levels and PAH (polycyclic aromatic hydrocarbons) ranging from 50 to 100 ppm.
- Very low odor; High flash points; Broad viscosity ranges; Biogradability.
- High viscosity with low pour points due to catalytic dewaxing.
- No VOCs. The heaviest distillations meet the most stringent requirements in the building industry (AgBB, Emicode, Anses, Ange, Bleu, etc.)
- Compliance with FDA Chapter 21 on mineral oils accidental food content.
- Compliance with European pharmacopeia purity criteria.

Hydroseal Fluids have a variety of industrial applications:

- Silicone sealant; hybrid sealants; PVC plastisol floor coverings; vinyl wall paper; Textile feeding oil.
- Water treatment reverse emulsion polymerization (polyacrylamides); Concrete mold extraction.
- Metal working; Sheetting; EDM and the lubricants industry; Electric transformer oils.
- Formulation of explosives; Carbonless copy paper; Micro-encapsulation.

### Spirdane Hydrorefined, High Purity Aliphatic Hydrocarbon Solvents

Spirdane solvents consist of complex hydrocarbons obtained by severely hydro-treating a petroleum cut. Spirdane aliphatic Fluids offer:

- Toxicology and ecological levels below values specified by present legislation.
- Standard aromatic values range from 10 to 20 ppm for most products.
- Flash points range from 25C (77F) to 67C (153F)
- Offer a range of product distillation rates from a narrow cut to wide range.
- Contain low levels of VOCs and thus comply with applicable regulations in most states.

The Spirdane solvents are used in a variety of applications including:

- Resins; Cleaning products; Degreasers; Metal working formulations
- Paint and Coatings; Lubricant formulations

### Aromatics

Radchem offers a wide variety of aromatic solvents including Toluene and Xylene. Total's Solvarex Range are naphthenic (or cycloparaffinic) fluids designed to replace toluene and xylene in certain applications. They are aromatic fractions solvents such as Solvarex 9 or Solvarex 10. When low naphthenic content is desired, Solvarex 9 and Solvarex 10LN are the preferred choices. Applications include:

- Pest control products (insecticides, pesticides); Industrial paints; Detergents; Resin synthesis
- Rare earth elements extraction; Chemistry

Radchem Products also carries Total's 100 solvent, 150 solvent and 200 ND inventoried in Chicago and available in bulk, totes, and drums. These products, plus 200 solvent are available in bulk from the refinery in Port Arthur, Texas. The products are EPA approved for use in agriculture formulas. If you need additional information, including TDS, SDS, or samples, please contact your Radchem Products Regional Sales Manager or our Corporate office 708-966-4044.

	July 2015	Aug. 2015	Sept. 2015	Oct. 2015
Crude Oil	\$55.04	\$45.94	\$44.07	\$46.73
Diesel	\$1.77	\$1.59	\$1.53	\$1.53
Gas	\$1.97	\$1.74	\$1.44	\$1.36