

## **Appendix E - Top Chemicals Transported in Bulk by Rail in Delaware County**



Top Chemicals Transported In Bulk By Rail Through Delaware County By CSX and Norfolk Southern Railroads (2015-2016)

PROPER SHIPPING NAME	HAZARD CLASS	IDLH	UN / NA	CAS NUMBER	ERG GUIDE #	HazMatIQ PLAY #
ACETONE - (FLAMMABLE LIQUID)	3	2500 ppm (10% LEL)	1090	67-64-1	115	RED 14
ALCOHOLS N.O.S. - (FLAMMABLE LIQUID)	3	Not Available	1987	Various	127	RED 6
<b>AMMONIA, ANHYDROUS</b>	<b>2.2</b>	<b>300 ppm</b>	<b>1005</b>	<b>7664-41-7</b>	<b>125</b>	<b>RED 0</b>
AMMONIUM NITRATE - (OXIDIZER)	5.1	LD 50	1942	6484-52-2	140	RED 10
AMMONIUM NITRATE, LIQUID - (OXIDIZER)	5.1	300 ppm Ammonia 25 ppm Nitric acid	3268	6484-52-2	140	RED 10
ASPHALT - (MISCELLANEOUS HAZARDOUS MATERIAL)	9	Not Available	1999	8052-42-4	130	BLUE 1
BUTANE - (COMPRESSED LIQUIFIED GAS)	2.1	Not Available	1011	106-97-8	115	RED 3
<b>BUTADIENES - (COMPRESSED LIQUIFIED GAS)</b>	<b>2.1</b>	<b>Ca (2000 ppm) (10% LEL)</b>	<b>1010</b>	<b>106-99-0</b>	<b>116 P</b>	<b>RED 2</b>
CARBON DIOXIDE - (NON FLAMMABLE GAS)	2.2	40000 ppm / 15 min	1013	124-38-9	120	BLUE 10
CARBON DIOXIDE, REFRIGERATED - (NON FLAMMABLE GAS)	2.2	40000 ppm / 15 min	2187	124-38-9	120	BLUE 10
CARBON DIOXIDE, COMPRESSED - (NON FLAMMABLE GAS)	2.2	40000 ppm	1013	124-38-9	120	BLUE 10
<b>CHLORINE - (TOXIC GAS)</b>	<b>2.3</b>	<b>10 ppm</b>	<b>1017</b>	<b>7782-50-5</b>	<b>124</b>	<b>RED 0</b>
CHLOROSULFONIC ACID - (CORROSIVE LIQUID)	8	Not Available	1754	4/5/7790	137	RED 5
CYCLOHEXANE - (FLAMMABLE LIQUID)	3	1300 ppm	1145	110-82-7	128	RED 3
DIESEL FUEL - (FLAMMABLE LIQUID)	3	Not Available	1993	68476-34-6	128	RED 1
<b>ETHANOL - (FLAMMABLE LIQUID, CLEAR)</b>	<b>3</b>	<b>3300 ppm (10% LEL)</b>	<b>1170</b>	<b>64-17-5</b>	<b>127</b>	<b>RED 6</b>
FERROUS CHLORIDE - (CORROSIVE SOLID)	8	LD 50	1759	7758-94-3	154	RED 1
FLAMMABLE LIQUIDS N.O.S. - (FLAMMABLE LIQUIDS)	3	Not Available	1993	Various	128	RED 1
FUEL, AVIATION, TURBINE ENGINE - (FLAMMABLE LIQUID - CLEAR)	3	Not Available	1863	50854-94-9 8008-20-6	128	RED 1
FUEL OIL - (FLAMMABLE LIQUID)	3	Not Available	1993	68476-30-2	128	RED 1
GASOLINE - (FLAMMABLE LIQUID)	3	Not Available	1203	8006-61-9	128	RED 1
HEXAMETHYLENEDIAMINE - (CORROSIVE SOLID)	8	Not Available	2280	124-09-4	153	RED 8
<b>HYDROCHLORIC ACID</b>	<b>8</b>	<b>5 ppm</b>	<b>1789</b>	<b>7647-01-0</b>	<b>157</b>	<b>RED 5</b>
<b>HYDROGEN PEROXIDE - (OXIDIZER)</b>	<b>5.1</b>	<b>75 ppm</b>	<b>2014</b>	<b>7722-84-1</b>	<b>140</b>	<b>BLUE 12</b>
<b>LIQUID PETROLEUM GASES - (FLAMMABLE GAS)</b>	<b>2.1</b>	<b>2100 ppm</b>	<b>1075</b>	<b>Various</b>	<b>115</b>	<b>RED 1</b>
METHANOL - (FLAMMABLE LIQUID)	3	6000 ppm	1230	67-56-1	131	RED 6
MOLTEN SULFUR - (FLAMMABLE/COMBUSTIBLE)	4.1	Not Available	2448	7704-34-9	133	RED 1
PETROLEUM DISTILLATES - (FLAMMABLE LIQUID)	3	1100 ppm	1268	64742-47-8	128	RED 1
<b>PHENOL - (TOXIC LIQUID - POISON)</b>	<b>6.1</b>	<b>250 ppm</b>	<b>2821</b>	<b>108-95-2</b>	<b>153</b>	<b>RED 6</b>

