



E. I. du Pont de Nemours and Company
Washington Works
Mail: P.O. Box 2800
Washington, WV 26181-1217

November 18, 2015

CERTIFIED MAIL -7007 1490 00001 6676 6411
RETURN RECEIPT REQUESTED



Mr. William F. Durham, Director
Division of Air Quality
WV Department of Environmental Protection
601 57th Street S.E.
Charleston, WV 25304

Permit Determination for the Installation of de minimis Maintenance Equipment

Dear Mr. Durham:

With this letter DuPont requests a permit determination regarding the proposed addition of a paint booth, bead blaster, and welding hood. We believe these are de minimus sources for maintenance activities in support of the production areas at the site.

This permit determination also covers the installation of a solvent metal cleaning source in the maintenance area. The proposed maintenance area is not located within the boundary of any of the current Rule 13 permitted units so we suggest this source be added to the permit associated with the Zytel® nylon resins production facility covered under R30-10700001-2011 Segment 5 of 14.

If you are in agreement, Attachment S has been completed and submitted with this request for a permit determination to allow update of the facility Title V permit.

Should you have any questions or concerns regarding the actions described in this letter or any related matter, please contact me at 304-863-2202, or Phil Smith at 304-863-2896.

Very truly yours,

C. R. Hill
SHE Manager
Washington Works

I.D. No. 10700001 Reg. 13
Company DuPont
Facility WV Region 3
Initials ME

ENCLOSURE
CRH: pts/mlg

E. I. du Pont de Nemours and Company
Shipping: 8480 DuPont Rd - Bldg 24
Washington, WV 26181



E. I. du Pont de Nemours and Company
Washington Works
Mail: P.O. Box 2800
Washington, WV 26181-1217

CC: Carrie McCumbers
WVDEP – Division of Air Quality
601 57th Street, SE
Charleston, WV 25304

CC: Michel Egnor, Permitting
WVDEP – Division of Air Quality
601 57th Street, SE
Charleston, WV 25304



WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR QUALITY
601 57th Street, SE
Charleston, WV 25304
Phone: (304) 926-0475
www.wvdep.org

**PERMIT DETERMINATION FORM
(PDF)**

FOR AGENCY USE ONLY: PLANT I.D. # _____
PDF # _____ PERMIT WRITER: _____

1. NAME OF APPLICANT (AS REGISTERED WITH THE WV SECRETARY OF STATE'S OFFICE):
E. I. du Pont de Nemours and Company,

2. NAME OF FACILITY (IF DIFFERENT FROM ABOVE):
Washington Works

3. NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) CODE:
3 2 5 2 1 1

4A. MAILING ADDRESS:
DuPont Washington Works
P.O. Box 2800
Washington WV 26181-1217

4B. PHYSICAL ADDRESS:
DuPont Washington Works
8480 DuPont Road, Building 24
Washington WV 26181

5A. DIRECTIONS TO FACILITY (PLEASE PROVIDE MAP AS ATTACHMENT A): See Map - From Charleston take I-77 north to the Route 50. Turn West on to Route 50 and use the bypass around Parkersburg. At the DuPont Road Exit - exit and at DuPont Road turn Left. The plant is approximately 1/4 - 1/2 mile on the right side.

5B. NEAREST ROAD:
DuPont Road

5C. NEAREST CITY OR TOWN:
Parkersburg

5D. COUNTY:
Wood

5E. UTM NORTHING (KM):
4346.8331

5F. UTM EASTING (KM):
442.3767

5G. UTM ZONE:
17

6A. INDIVIDUAL TO CONTACT IF MORE INFORMATION IS REQUIRED:
Charles R. Hill

6B. TITLE:
SHE Manager

6C. TELEPHONE:
(304) 863-2202

6D. FAX:
(304) 863-2190

6E. E-MAIL:
Charles-R.F.Hill-1@dupont.com

7A. DAQ PLANT I.D. NO. (FOR AN EXISTING FACILITY ONLY):
107 - 00001

7B. PLEASE LIST ALL CURRENT 45CSR13, 45CSR14, 45CSR19 AND/OR TITLE V (45CSR30) PERMIT NUMBERS ASSOCIATED WITH THIS PROCESS (FOR AN EXISTING FACILITY ONLY):
R30-10700001 Part 5 of 14

7C. IS THIS PDF BEING SUBMITTED AS THE RESULT OF AN ENFORCEMENT ACTION? IF YES, PLEASE LIST:
No

8A. TYPE OF EMISSION SOURCE (CHECK ONE):
 NEW SOURCE ADMINISTRATIVE UPDATE
 MODIFICATION OTHER (PLEASE EXPLAIN IN 11B)

8F. IF ADMINISTRATIVE UPDATE, DOES DAQ HAVE THE APPLICANT'S CONSENT TO UPDATE THE EXISTING PERMIT WITH THE INFORMATION CONTAINED HEREIN?
 YES NO

9. IS DEMOLITION OR PHYSICAL RENOVATION AT AN EXISTING FACILITY INVOLVED? YES NO

10A. DATE OF ANTICIPATED INSTALLATION OR CHANGE:
11/25/2015

10B. DATE OF ANTICIPATED START-UP:
11/25/2015

11A. PLEASE PROVIDE A DETAILED PROCESS FLOW DIAGRAM SHOWING EACH PROPOSED OR MODIFIED PROCESS EMISSION POINT AS ATTACHMENT B.

11B. PLEASE PROVIDE A DETAILED PROCESS DESCRIPTION AS ATTACHMENT C.

12. PLEASE PROVIDE MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS PROCESSED, USED OR PRODUCED AS ATTACHMENT D. FOR CHEMICAL PROCESSE, PLEASE PROVIDE A MSDS FOR EACH COMPOUND EMITTED TO AIR.

13A. REGULATED AIR POLLUTANT EMISSIONS:

⇒ FOR A NEW FACILITY, PLEASE PROVIDE PLANT WIDE EMISSIONS BASED ON THE POTENTIAL TO EMIT (PTE) FOR THE FOLLOWING AIR POLLUTANTS INCLUDING ALL PROCESSES.

⇒ FOR AN EXISTING FACILITY, PLEASE PROVIDE THE PROPOSED CHANGE IN EMISSIONS BASED ON THE PTE OF ALL PROCESS CHANGES FOR THE FOLLOWING AIR POLLUTANTS.

PTE FOR A GIVEN POLLUTANT IS TYPICALLY BEFORE AIR POLLUTION CONTROL DEVICES AND IS COLLECTED BASED ON THE MAXIMUM DESIGN CAPACITY OF PROCESS EQUIPMENT.

POLLUTANT	HOURLY PTE (LB/HR)	YEARLY PTE (TON/YR) (HOURLY PTE MULTIPLIED BY 8760 HR/YR) DIVIDED BY 2000 LB/TON
PM	0	
PM ₁₀	0	
VOCs	0	
CO	0	
NO _x	0	
SO ₂	0	
Pb	0	
HAPs (AGGREGATE AMOUNT)	0	
TAPs (INDIVIDUALLY)*	0	
OTHER (INDIVIDUALLY)*	0	

* ATTACH ADDITIONAL PAGES AS NEEDED

13B. PLEASE PROVIDE ALL SUPPORTING CALCULATIONS AS ATTACHMENT E.

CALCULATE AN HOURLY AND YEARLY PTE OF EACH PROCESS EMISSION POINT (SHOWN IN YOUR DETAILED PROCESS FLOW DIAGRAM) FOR ALL AIR POLLUTANTS LISTED ABOVE INCLUDING INDIVIDUAL HAP'S (LISTED IN SECTION 112[b] OF THE 1990 CAAA), TAP'S (LISTED IN 45CSR27), AND OTHER AIR POLLUTANTS (E.G. POLLUTANTS LISTED IN TABLE 45-13A OF 45CSR13, MINERAL ACIDS PER 45CSR7, ETC.).

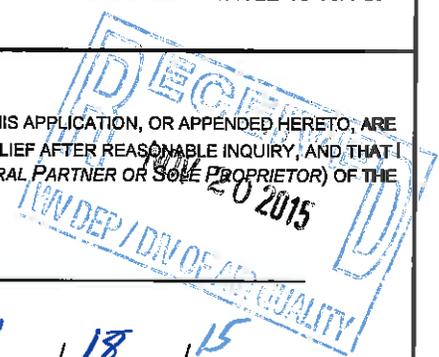
14. CERTIFICATION OF DATA

I, JAY VALVO (TYPE NAME) ATTEST THAT ALL THE REPRESENTATIONS CONTAINED IN THIS APPLICATION, OR APPENDED HERETO, ARE TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE BASED ON INFORMATION AND BELIEF AFTER REASONABLE INQUIRY, AND THAT I AM A RESPONSIBLE OFFICIAL** (PRESIDENT, VICE PRESIDENT, SECRETARY OR TREASURER, GENERAL PARTNER OR SOLE PROPRIETOR) OF THE APPLICANT.

SIGNATURE OF RESPONSIBLE OFFICIAL: _____

TITLE: PLANT MANAGER

DATE: 11 / 18 / 15



**THE DEFINITION OF THE PHRASE 'RESPONSIBLE OFFICIAL' CAN BE FOUND AT 45CSR13, SECTION 2.23.

NOTE: PLEASE CHECK ENCLOSED ATTACHMENTS:

ATTACHMENT A ATTACHMENT B ATTACHMENT C ATTACHMENT D ATTACHMENT E

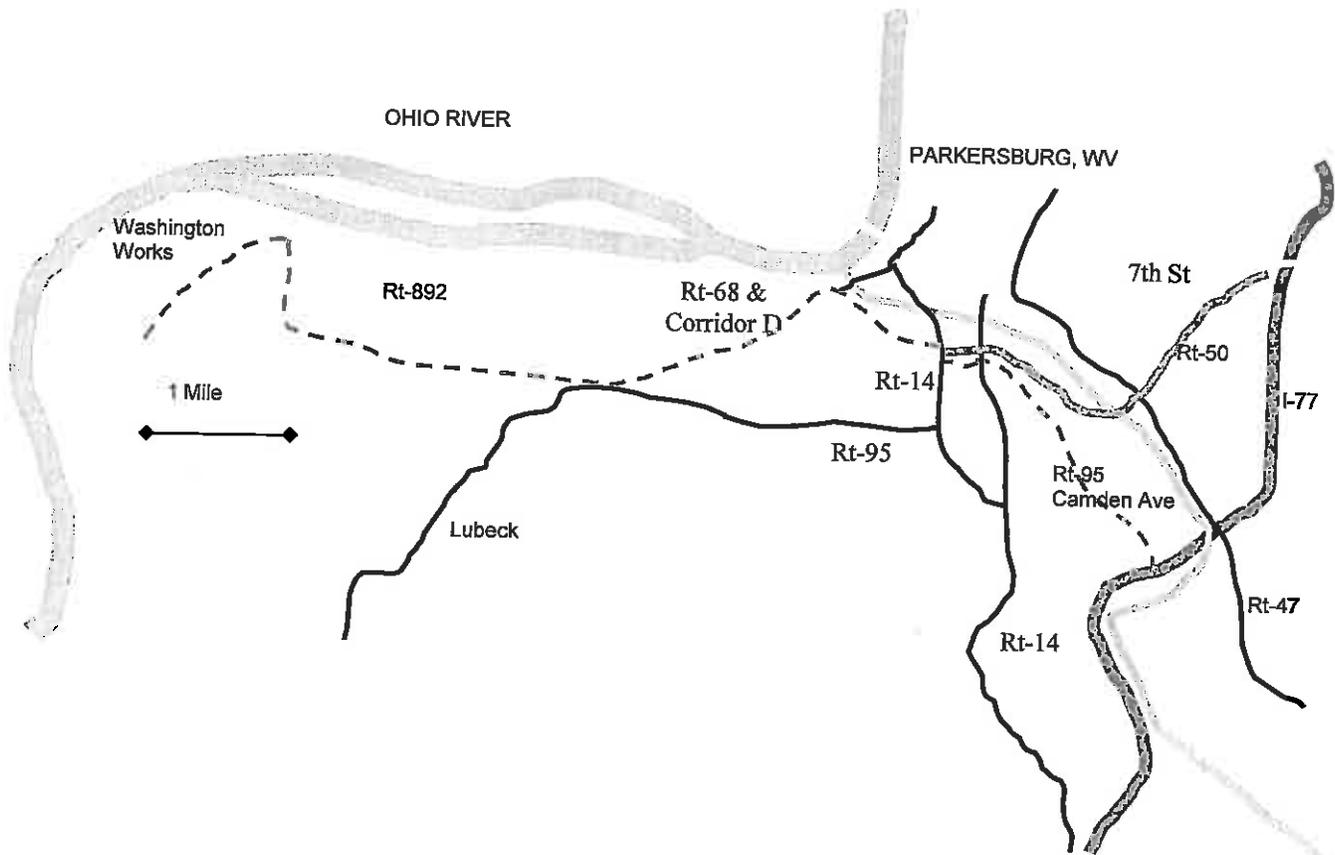
RECORDS ON ALL CHANGES ARE REQUIRED TO BE KEPT AND MAINTAINED ON-SITE FOR TWO (2) YEARS.

THE PERMIT DETERMINATION FORM WITH THE INSTRUCTIONS CAN BE FOUND ON DAQ'S PERMITTING SECTION WEB SITE:

www.wvdep.org

ATTACHMENT A

MAP to the Facility



From Interstate 77, take exit for Rt-95/Camden Avenue.
Proceed West until intersection with Rt-14 then turn right (north).
After about 1/4 mile turn left onto Corridor D Bypass entrance.
Follow the bypass to the exit just before the bridge.
Turn left (south) onto DuPont Rd, Rt-892.
Proceed approx. 1 mile to facility on right.

ATTACHMENT B

Process Flow Diagram

None

ATTACHMENT C

Process/Project Description

Description of de minimis Maintenance Activities

A paint booth, bead blasting unit, welding hood are being installed in the Central Maintenance area of the plant. This equipment is not used for production purposes. Because of the intermittent and infrequent use of the devices it is not possible to provide a reasonably accurate emission estimate. As such, we believe these three devices meet the definition of "de minimis source" in 45 CSR13 section 2.6 and are appropriately described in Item 40 of Table 45-13B as "Commercial and residential maintenance and upkeep activities occurring at a building, residence or other structure..." Further, for Title V permitting purposes, we believe the devices meet the definition of "insignificant activities" in the exemption sections of WV Rule 30.

3.2.d.6. Repairs of maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.

The Maintenance area will also be installing a solvent metal cleaning source and intends to implement the following control measures in compliance with the requirements set forth in 45 CSR21 section 30. With Attachment S to this request we propose a Minor Modification to add this source (and another in the autoclave section that was not previously described) to the Title V permit along with appropriate requirement text.

Revise Table 1.0:

Emission Point ID	Control Device	Emission Unit ID	Emission Unit Description	Year Installed
Fugitive	None	Z331-1	MPW-1 Solvent Parts Cleaner	1970's
Fugitive	None	Z331-2	MPW-2 Solvent Parts Cleaner	1980's
Fugitive	None	Z331-3	Autoclave Solvent Parts Cleaner	1960's
Fugitive	None	Z331-4	B-144 Solvent Parts Cleaner	2015

7.1.4 The owner or operator of a cold solvent cleaner facility shall:

1. Provide a permanent, legible, conspicuous label, summarizing the operating requirements;
 2. Store waste solvent in covered containers;
 3. Close the cover whenever parts are not being handled in the cleaner;
 4. Drain the cleaned parts until dripping ceases;
 5. If used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a pressure that does not exceed 10 pounds per square inch gauge (psig); and
 6. Degrease only materials that are neither porous nor absorbent
- [45CSR§21-30.3.a.4 through 9: Z331-1, Z331-2, Z331-3, Z331-4]

ATTACHMENT D
Material Data Safety Sheets

SAFETY-KLEEN 140 SOLVENT



MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SAFETY-KLEEN 140 SOLVENT

SYNONYMS: Parts Washer Solvent; Petroleum Distillates; Petroleum Naptha; Naptha, Solvent; Stoddard Solvent; Mineral Spirits.

PRODUCT PART NUMBER: 6616, 1011678, 1014678

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other products, refer to the Material Safety Data Sheets for those products.

24-HOUR EMERGENCY PHONE NUMBERS		
These numbers are for emergency use only. If you desire non-emergency product information, please call a phone number listed below.	MEDICAL:	TRANSPORTATION (SPILL):
	1-800-752-7869	1-800-468-1760 (USA)
	Extension 2	1-613-996-6666 (CANADA)
	or	(call collect)
	1-312-906-6194	

SUPPLIER: Safety-Kleen Corp.
1301 Gervais Street, Suite 300
Columbia, SC 29201
USA
1-803-933-4200

TECHNICAL INFORMATION: 1-800-669-5740, Extension 7500

MSDS FORM NUMBER: 82418

ISSUE: March 24, 2000

ORIGINAL ISSUE: July 20, 1989

SUPERSEDES: April 4, 1997

PREPARED BY: Product MSDS Coordinator

APPROVED BY: MSDS Task Force

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**SAFETY-KLEEN 140 SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

WT%	NAME	SYNONYM	CAS NO.	OSHA PEL		ACGIH TLV®		LD ^a	LC ^b
				TWA	STEL	TWA	STEL		
100	Distillates (petroleum), hydrotreated light ^c	N.Av.	64742-47-8	500 ^d ppm	N.Av.	100 ^d ppm	N.Av.	>5000 ^c	>5500 ^d mg/m ³ /4 hours

N.Av. = Not Available

^aOral-Rat LD (mg/kg)

^bInhalation-Rat LC

^cBased on Stoddard solvent: Skin-Rabbit

LD₅₀ >3000 mg/kg

^dBased on Stoddard Solvent.

^eBased on Stoddard Solvent, NIOSH IDLH

(Immediately Dangerous to Life or Health):

20000 mg/m³ (5000 ppm)

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE

Liquid, clear and colorless, mild hydrocarbon odor.

WARNING!

PHYSICAL HAZARD

Combustible liquid and vapor.

HEALTH HAZARDS

May be harmful if inhaled.

May irritate eyes and skin.

May be harmful if swallowed.

Contains material which may cause central nervous system damage.

ENVIRONMENTAL HAZARDS

Toxic to aquatic life.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High concentrations of vapor or mist may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects. Massive acute overexposure may cause rapid central nervous system depression, sudden collapse, coma, and/or death.

EYES: May cause irritation with watering, stinging, and/or redness.

SKIN: May cause irritation. Not likely to be absorbed through the skin in harmful amounts.

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**SAFETY-KLEEN 140 SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**

INGESTION (SWALLOWING): May be harmful if swallowed. May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing respiratory tract (nose, throat, and lungs), central nervous system, eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated inhalation may cause toxic effects as noted under **INHALATION (BREATHING)**. Prolonged or repeated inhalation and/or ingestion has been suggested to produce kidney toxicity in dogs but in no other species, including humans. According to one unsubstantiated human case report, prolonged or repeated inhalation, skin contact, and/or ingestion may cause mild, acute chemical hepatitis and acute, yellow atrophy (size reduction) of the liver. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis); and/or burns.

CANCER INFORMATION: No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY**.

Also see **SECTION 15: CALIFORNIA**.

POTENTIAL ENVIRONMENTAL EFFECTS

Product is toxic to aquatic life. Also see **SECTION 12: ECOLOGICAL INFORMATION**.

SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING) Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYES: If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention.

SKIN: Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain develops or persists.

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**SAFETY-KLEEN 140 SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**

**INGESTION:
(SWALLOWING)** Do NOT induce vomiting. Immediately get medical attention. Call 1-800-752-7869, extension 2 or 1-312-906-6194 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything to an unconscious person by mouth.

**NOTE TO
PHYSICIANS:** Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Treatment may vary with condition of victim and specifics of incident. Call 1-800-752-7869, extension 2 or 1-312-906-6194 for additional information.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 140°F (60°C) (minimum) Tag Closed Cup

FLAMMABLE LIMITS IN AIR: LOWER: 0.7 VOL% (minimum)
UPPER: 5 VOL% (maximum)

**AUTOIGNITION
TEMPERATURE:** 410°F (210°C) (minimum)

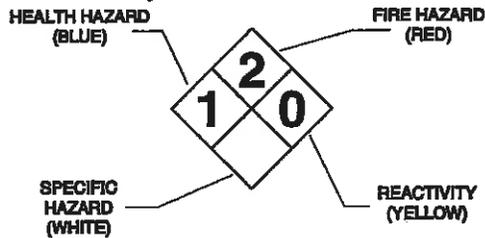
**HAZARDOUS COMBUSTION
PRODUCTS:** Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide and unidentified organic compounds.

**CONDITIONS OF
FLAMMABILITY:** Heat, sparks, or flame.

EXTINGUISHING MEDIA: Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

**NFPA 704
HAZARD
IDENTIFICATION:**

This information is intended solely for the use by individuals trained in this system.



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**SAFETY-KLEEN 140 SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**

FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

FIRE AND EXPLOSION HAZARDS: Vapor explosion hazard indoors, outdoors, or in sewers. Vapors may travel to ignition source and flashback. Vapors will spread along the ground and collect in low or confined areas. Run-off to sewer may create a fire hazard. Heated containers may rupture. "Empty" containers may retain residue and can be dangerous. Not sensitive to mechanical impact. Product may be sensitive to static discharge, which could result in fire or explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface waters and sewers. Contain spill as a liquid for possible recovery or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal.

Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke while using this product.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORT INFORMATION** for Packing Group information.

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**SAFETY-KLEEN 140 SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH-certified, air-purifying respirators with organic vapor cartridges respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air-purifying respirators is limited. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear nitrile, supported neoprene, Viton®, polyvinyl alcohol (PVA), laminate (such as North Silver Shield®, Safety 4 4h®, Ansell Edmont Barrier®), or equivalent protective gloves; use of polyvinyl chloride (PVC), natural rubber (latex), or equivalent gloves is not recommended.

To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, whole body suits, or other protective clothing.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard affected clothing, shoes, or protective equipment if they cannot be thoroughly cleaned. Discard leather articles, such as shoes, saturated with the product.

OTHER PROTECTIVE EQUIPMENT: Where spills and splashes are likely, facilities storing or using this product should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

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**SAFETY-KLEEN 140 SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR:	Liquid, clear and colorless, mild hydrocarbon odor.
ODOR THRESHOLD:	30 ppm (based on Stoddard Solvent)
MOLECULAR WEIGHT:	Not available.
SPECIFIC GRAVITY:	0.78 to 0.81 at 60°F/60°F (15.6°C/15.6°C) (water = 1)
DENSITY:	6.5 to 6.8 LB/US gal (780 to 810 g/l)
VAPOR DENSITY:	5 (air = 1) (approximately)
VAPOR PRESSURE:	0.3 mm Hg at 68°F (20°C) (approximately) 0.8 mm Hg at 100°F (38°C) (approximately)
BOILING POINT:	310°F (155°C) (initial)
FREEZING/MELTING POINT:	-45°F (-43°C) (maximum)
pH:	Not applicable.
EVAPORATION RATE:	0.1 (butyl acetate = 1) (based on Stoddard Solvent)
SOLUBILITY IN WATER:	Insoluble.
FLASH POINT:	140°F (60°C) (minimum) Tag Closed Cup
FLAMMABLE LIMITS IN AIR:	LOWER: 0.7 VOL% (minimum) UPPER: 5 VOL% (maximum)
AUTOIGNITION TEMPERATURE:	410°F (210°C) (minimum)

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperatures and pressures. Avoid heat, sparks, or flame.
INCOMPATIBILITY:	Avoid acids, alkalis, oxidizing agents, reducing agents, or reactive halogens.

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**SAFETY-KLEEN 140 SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**

REACTIVITY: Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

SECTION 11: TOXICOLOGICAL INFORMATION

SENSITIZATION: Based on best current information, there is no known human sensitization associated with this product.

MUTAGENICITY: Based on best current information, there is no known mutagenicity associated with this product.

CARCINOGENICITY: Based on best current information, there is no known carcinogenicity as regulated by OSHA; as categorized by ACGIH A1 or A2 substances; as categorized by IARC Group 1, Group 2A, or Group 2B agents; or as listed by NTP as either known carcinogens or substances for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

Also see **SECTION 15: CALIFORNIA.**

REPRODUCTIVE TOXICITY: Based on best current information, there is no known reproductive toxicity associated with this product.

Also see **SECTION 15: CALIFORNIA.**

TERATOGENICITY: Based on best current information, there is no known teratogenicity associated with this product.

TOXICOLOGICALLY SYNERGISTIC PRODUCT(S): Based on best current information, there are no known toxicologically synergistic products associated with this product.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: 2900 ug/L 96 hour LC₅₀ Rainbow trout, donaldson trout (*Oncorhynchus mykiss*) (based on Distillates (petroleum) hydrotreated light).

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

VOLATILE ORGANIC COMPOUNDS: 100 WT%; 6.5 to 6.8 LB/US gal; 780 to 810 g/l
As per 40 CFR Part 51.100(s).

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**SAFETY-KLEEN 140 SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

USEPA WASTE CODE(S): D018
Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

SECTION 14: TRANSPORT INFORMATION

DOT: COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA), NA1993, PG III

TDG: Petroleum Distillates, N.O.S., Class 3, UN1268, PG III

EMERGENCY RESPONSE GUIDE NUMBER: 128
Reference *North American Emergency Response Guidebook*

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS 302 AND 304: Based on the ingredient listed in **SECTION 2**, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA SECTIONS 311 AND 312: This product poses the following physical and health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):
Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

SARA SECTION 313: This product does not contain toxic chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

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**SAFETY-KLEEN 140 SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**

CERCLA: Based on the ingredient listed in **SECTION 2**, this product does not contain any "hazardous substance" listed pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

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

CALIFORNIA: This product may contain a detectable amount of benzene CAS 71-43-2. **WARNING:** This chemical is known to the State of California to cause cancer.

This product may contain detectable amounts of benzene CAS 71-43-2 and toluene CAS 108-88-3. **WARNING:** These chemicals are known to the State of California to cause birth defects or other reproductive harm.

CANADIAN REGULATIONS

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

WHMIS: B3, D2B

CANADIAN

ENVIRONMENTAL

PROTECTION ACT

(CEPA):

All the components of this product are listed on the Canadian Domestic Substances List (DSL).

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: Revised format. This MSDS has been revised in the following sections: •
SECTION 3: Emergency Overview, Inhalation, Chronic
SECTION 4: Ingestion
SECTION 5: Upper Flammable Limit, Autoignition Temperature
SECTION 8: Skin Protection
SECTION 9: Molecular Weight
SECTION 12: Ecotoxicity

LABEL/OTHER INFORMATION: This product is United States Department of Agriculture (USDA) approved and Underwriter's Laboratories (UL) classified.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product as supplied to the user.



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ATTACHMENT E

Supporting Calculations

These sources meet the “de minimis” source definition.

Attachment S

Title V Permit Revision Information

1. New Applicable Requirements Summary	
Mark all applicable requirements associated with the changes involved with this permit revision:	
<input type="checkbox"/> SIP	<input type="checkbox"/> FIP
<input type="checkbox"/> Minor source NSR (45CSR13)	<input type="checkbox"/> PSD (45CSR14)
<input type="checkbox"/> NESHAP (45CSR15)	<input type="checkbox"/> Nonattainment NSR (45CSR19)
<input type="checkbox"/> Section 111 NSPS (Subpart(s) _____)	<input type="checkbox"/> Section 112(d) MACT standards (Subpart(s) _____)
<input type="checkbox"/> Section 112(g) Case-by-case MACT	<input type="checkbox"/> 112(r) RMP
<input type="checkbox"/> Section 112(i) Early reduction of HAP	<input type="checkbox"/> Consumer/commercial prod. reqts., section 183(e)
<input type="checkbox"/> Section 129 Standards/Reqts.	<input type="checkbox"/> Stratospheric ozone (Title VI)
<input type="checkbox"/> Tank vessel reqt., section 183(f)	<input type="checkbox"/> Emissions cap 45CSR§30-2.6.1
<input type="checkbox"/> NAAQS, increments or visibility (temp. sources)	<input type="checkbox"/> 45CSR27 State enforceable only rule
<input type="checkbox"/> 45CSR4 State enforceable only rule	<input type="checkbox"/> Acid Rain (Title IV, 45CSR33)
<input type="checkbox"/> Emissions Trading and Banking (45CSR28)	<input type="checkbox"/> Compliance Assurance Monitoring (40CFR64) ⁽¹⁾
<input type="checkbox"/> NO _x Budget Trading Program Non-EGUs (45CSR1)	<input type="checkbox"/> NO _x Budget Trading Program EGUs (45CSR26)
<input checked="" type="checkbox"/> 45CSR21 VOC Emissions Control (State Only)	
<p>⁽¹⁾ If this box is checked, please include Compliance Assurance Monitoring (CAM) Form(s) for each Pollutants Specific Emission Unit (PSEU) (See Attachment H to Title V Application). If this box is not checked, please explain why Compliance Assurance Monitoring is not applicable:</p> <p style="margin-left: 40px;">CAM is not applicable as source does not meet requirement threshold.</p>	

2. Non Applicability Determinations
<p>List all requirements, which the source has determined not applicable to this permit revision and for which a permit shield is requested. The listing shall also include the rule citation and a rationale for the determination.</p>
<input type="checkbox"/> Permit Shield Requested <i>(not applicable to Minor Modifications)</i>

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

3. Suggested Title V Draft Permit Language

Are there any changes involved with this Title V Permit revision outside of the scope of the NSR Permit revision? Yes No If Yes, describe the changes below.

Also, please provide **Suggested Title V Draft Permit language** for the proposed Title V Permit revision (including all applicable requirements associated with the permit revision and any associated monitoring /recordkeeping/ reporting requirements), OR attach a marked up pages of current Title V Permit. Please include appropriate citations (Permit or Consent Order number, condition number and/or rule citation (e.g. 45CSR§7-4.1)) for those requirements being added / revised.

Revise Table 1.0:

Emission Point ID	Control Device	Emission Unit ID	Emission Unit Description	Year Installed
Fugitive	None	Z331-1	MPW-1 Solvent Parts Cleaner	1970's
Fugitive	None	Z331-2	MPW-2 Solvent Parts Cleaner	1980's
Fugitive	None	Z331-3	Autoclave Solvent Parts Cleaner	1960's
Fugitive	None	Z331-4	B-144 Solvent Parts Cleaner	2015

7.1.4 The owner or operator of a cold solvent cleaner facility shall:

1. Provide a permanent, legible, conspicuous label, summarizing the operating requirements;
2. Store waste solvent in covered containers;
3. Close the cover whenever parts are not being handled in the cleaner;
4. Drain the cleaned parts until dripping ceases;
5. If used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a pressure that does not exceed 10 pounds per square inch gauge (psig); and
6. Degrease only materials that are neither porous nor absorbent

[45CSR§21-30.3.a.4 through 9: Z331-1, Z331-2, Z331-3, Z331-4]

4. Active NSR Permits/Permit Determinations/Consent Orders Associated With This Permit Revision

Permit or Consent Order Number	Date of Issuance	Permit/Consent Order Condition Number
R30-10070001-2011 Segment 5 of 14	06/24/2011	

5. Inactive NSR Permits/Obsolete Permit or Consent Orders Conditions Associated With This Revision

Permit or Consent Order Number	Date of Issuance	Permit/Consent Order Condition Number
	MM/DD/YYYY	

6. Change in Potential Emissions

Pollutant	Change in Potential Emissions (+ or -), TPY

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

7. Certification For Use Of Minor Modification Procedures (Required Only for Minor Modification Requests)

Note: This certification must be signed by a responsible official. Applications without a signed certification will be returned as incomplete. The criteria for allowing the use of Minor Modification Procedures are as follows:

- i. Proposed changes do not violate any applicable requirement;
- ii. Proposed changes do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;
- iii. Proposed changes do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient air quality impacts, or a visibility increment analysis;
- iv. Proposed changes do not seek to establish or change a permit term or condition for which there is no underlying applicable requirement and which permit or condition has been used to avoid an applicable requirement to which the source would otherwise be subject (synthetic minor). Such terms and conditions include, but are not limited to a federally enforceable emissions cap used to avoid classification as a modification under any provision of Title I or any alternative emissions limit approved pursuant to regulations promulgated under § 112(j)(5) of the Clean Air Act;
- v. Proposed changes do not involve preconstruction review under Title I of the Clean Air Act or 45CSR14 and 45CSR19;
- vi. Proposed changes are not required under any rule of the Director to be processed as a significant modification;

Notwithstanding subparagraph 45CSR§30-6.5.a.1.A. (items i through vi above), minor permit modification procedures may be used for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that such minor permit modification procedures are explicitly provided for in rules of the Director which are approved by the U.S. EPA as a part of the State Implementation Plan under the Clean Air Act, or which may be otherwise provided for in the Title V operating permit issued under 45CSR30.

Pursuant to 45CSR§30-6.5.a.2.C., the proposed modification contained herein meets the criteria for use of Minor permit modification procedures as set forth in Section 45CSR§30-6.5.a.1.A. The use of Minor permit modification procedures are hereby requested for processing of this application.

(Signed):  Date: 11 / 18 / 15
 (Please use blue ink) (Please use blue ink)
 Named (typed): Jay Valvo Title: Plant Manager

Note: Please check if the following included (if applicable):

- Compliance Assurance Monitoring Form(s)
- Suggested Title V Draft Permit Language

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.