SAFETY DATA SHEET

142 Solvent 66/3

BARSOL 142F

Section 1. Identification

GHS product identifier	: 142 Solvent 66/3
Synonyms	: Distillates, petroleum, hydrotreated light; Hydrotreated light distillate; Distillates (petroleum), hydrotreated light.; Petroleum hydrocarbon solvent; 140 Flash Solvent; High Flash Stoddard Solvent; High-flash Mineral Spirits; Type IIC Mineral Spirits (meets ASTM D-235 Type 2C specifications); CITGO® Material Code: 19026
Code	: 19026
MSDS #	: 19026
Supplier's details	: CITGO Petroleum Corporation 1701 Golf Road, Suite 1-1101 Rolling Meadows, IL 60008-4295 custsol@citgo.com
Emergency telephone number	: Technical Contact: (847) 734-7630 (8am - 4pm CT M-F) Medical Emergency: (832) 486-4700 CHEMTREC Emergency: (800) 424-9300 (United States Only)

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	 FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY: INHALATION - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] - Category 3 ASPIRATION HAZARD - Category 1
<u>GHS label elements</u> Hazard pictograms	
Signal word	Danger

Date of issue/Date of revision	: 1/30/2015.	Version : 2 1/12
Storage	: Store locked up. Store in a well-ventilated place. K	eep cool.
Response	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention	
Prevention	: Wear protective gloves. Wear eye or face protection surfaces No smoking. Use only outdoors or in a wapor. Wash hands thoroughly after handling.	
Precautionary statements		
Hazard statements	 Combustible liquid. Harmful if inhaled. Causes skin irritation and may cause eye irritation. May be fatal if swallowed and enters airways. May cause drowsiness and dizziness. 	
Signal word	: Danger	



Section 2. Hazards identification

Dis	posal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

Section 3. Composition/information on ingredients

: None known.

Substance/mixture	:	Substance
Other means of identification	:	Distillates, petroleum, hydrotreated light; Hydrotreated light distillate; Distillates (petroleum), hydrotreated light.; Petroleum hydrocarbon solvent; 140 Flash Solvent; High Flash Stoddard Solvent; High-flash Mineral Spirits; Type IIC Mineral Spirits (meets ASTM D-235 Type 2C specifications); CITGO® Material Code: 19026

CAS number/other identifiers

742-47-8

60 - 100	**
10 - 30	**

* = Various ** = Mixture *** = Proprietary

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute

Potential acute health eff	ects			
Eye contact	:	May cause eye irritation.		
Inhalation		Harmful if inhaled. Can cause central nervous system drowsiness and dizziness.	(CNS) depression. May cause	
Skin contact	:	Causes skin irritation.		
Ingestion		Can cause central nervous system (CNS) depression. enters airways. Irritating to mouth, throat and stomach		
Date of issue/Date of revision		: 1/30/2015.	Version : 2 2/	/12

Section 4. First aid measures

Over-exposure signs/symptoms : Adverse symptoms may include the following: Eye contact pain or irritation watering redness Inhalation : Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness **Skin contact** : Adverse symptoms may include the following: irritation redness Ingestion : Adverse symptoms may include the following: nausea or vomiting Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.
Specific treatments	:	Treat symptomatically and supportively.
Protection of first-aiders	-	No action shall be taken involving any personal risk or without suitable training. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Specific hazards arising from the chemical	: Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Date of issue/Date of revision

Section 6. Accidental release measures

Personal precautions, protec	tive equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
Methods and materials for co	ntainment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling	
	Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container. Non equilibrium conditions may increase the fire hazard associated with this product. Always bond receiving containers to the fill pipe before and during loading. Always confirm that receiving container is properly grounded. Bonding and grounding alone may be inadequate to eliminate fire and explosion hazards. Carefully review operations that may increase the risks such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. In addition to bonding and grounding, efforts to mitigate the hazards may include, but are not limited to, ventilation, inerting and/or reduction of transfer velocities. Always keep nozzle in contact with the container throughout the loading process. Do NOT fill any portable container in or on a vehicle.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in a segregated and approved are Store in original container protected from direct sunlight in a dry, cool and well-venti area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store unlabeled containers. Use appropriate containment to avoid environmental contamination.	
	Bulk Storage Conditions: Maintain all storage tanks in accordance with applicable regulations. Use necessary controls to monitor tank inventories. Inspect all storage tanks on a periodic basis. Test tanks and associated piping for tightness. Maintain the automatic leak detection devices to assure proper working condition.	

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name		Exposure limits
C9-C15 Cycloalkanes		ACGIH TLV (United States). TWA: 400 ppm 8 hours. Form: Methylcyclohexane
142 Solvent 66/3		ACGIH TLV (United States) 179 ppm (1200 mg/m ³) 8 hour(s) Notes: The TLV for the hydrocarbon solvent is based on the procedure described in Appendix H ("Reciprocal Calculations Method for Certain Refined Hydrocarbon Solvent Vapors") of the ACGIH TLVs ® and BEIs® guidelines. The GGVmixture (ACGIH TLV) is based on Column B (McKee et al., 2005) of Table 1 ("Group Guidance Values") of Appendix H.
Appropriate engineering : controls	other engineering controls t recommended or statutory l	tilation. Use process enclosures, local exhaust ventilation or o keep worker exposure to airborne contaminants below any limits. The engineering controls also need to keep gas, s below any lower explosive limits. Use explosion-proof
Environmental exposure : controls	they comply with the require cases, vapor controls, filters	or work process equipment should be checked to ensure ements of environmental protection legislation. In some s or engineering modifications to the process equipment will issions to acceptable levels.
Individual protection measures		
Hygiene measures :	eating, smoking and using t Appropriate techniques sho	face thoroughly after handling chemical products, before the lavatory and at the end of the working period. uld be used to remove potentially contaminated clothing. g before reusing. Ensure that eyewash stations and safety orkstation location.
Eye/face protection :	industrial settings. If contact the assessment indicates a eyewear complying with an indicates this is necessary t	th side shields are recommended as minimum protection in ct is possible, the following protection should be worn, unless higher degree of protection: Splash goggles. Safety approved standard should be used when a risk assessment o avoid exposure to liquid splashes, mists, gases or dusts. f inhalation hazards exist, a full-face respirator may be
Skin protection		

Section 8. Exposure controls/personal protection

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Hand protection	: Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.
Body protection	 Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Color: Transparent, colorless.Odor: Characteristic hydrocarbon solvent odor.pH: Not available.Melting point: -49°C (-56.2°F)Boiling point/boiling range: 192 to 205°C (377.6 to 401°F)Flash point: Closed cup: 67°C (152.6°F) [Tagliabue (ASTM D-56)]Evaporation rate: <1 (n-butyl acetate. = 1)Lower and upper explosive: Lower: 0.8%(flammable) limits: Upper: 6%Vapor pressure: 0.067 kPa (0.5 mm Hg) [room temperature]Vapor density: >1 [Air = 1]Relative density: 0.79Density Ibs/gal: Estimated 6.59 lbs/galGravity, °API: Estimated 48 @ 60 FSolubility: Very slightly soluble in the following materials: cold water.Solubility in water: 1.5 g/lAuto-ignition temperature: >220°C (>428°F)			
Odor:Characteristic hydrocarbon solvent odor.pH:Not available.Melting point:-49°C (-56.2°F)Boiling point/boiling range:192 to 205°C (377.6 to 401°F)Flash point:Closed cup: 67°C (152.6°F) [Tagliabue (ASTM D-56)]Evaporation rate:<1 (n-butyl acetate. = 1)Lower and upper explosive:Lower: 0.8% Upper: 6%Vapor pressure:0.067 kPa (0.5 mm Hg) [room temperature]Vapor density:>1 [Air = 1]Relative density:0.79Density Ibs/gal:Estimated 48 @ 60 FSolubility:Very slightly soluble in the following materials: cold water.Solubility in water:1.5 g/lAuto-ignition temperature:>220°C (>428°F)	Physical state	Liquid.	
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Lower and upper explosive (flammable) limits: Lower: 0.8% Upper: 6%Vapor pressure: 0.067 kPa (0.5 mm Hg) [room temperature]Vapor density: >1 [Air = 1]Relative density: 0.79Density lbs/gal: Estimated 6.59 lbs/galGravity, °API: Estimated 48 @ 60 FSolubility: Very slightly soluble in the following materials: cold water.Solubility in water: 1.5 g/lAuto-ignition temperature: >220°C (>428°F)	Flash point	Closed cup: 67°C (152.6°F) [Tagliabue (ASTM D-56)]	
(flammable) limitsUpper: 6%Vapor pressure:0.067 kPa (0.5 mm Hg) [room temperature]Vapor density:>1 [Air = 1]Relative density:0.79Density lbs/gal:Estimated 6.59 lbs/galGravity, °API:Estimated 48 @ 60 FSolubility:Very slightly soluble in the following materials: cold water.Solubility in water:1.5 g/lAuto-ignition temperature:>220°C (>428°F)	Evaporation rate	<1 (n-butyl acetate. = 1)	
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Density lbs/gal: Estimated 6.59 lbs/galGravity, °API: Estimated 48 @ 60 FSolubility: Very slightly soluble in the following materials: cold water.Solubility in water: 1.5 g/lAuto-ignition temperature: >220°C (>428°F)	Vapor density	>1 [Air = 1]	
Gravity, °API : Estimated 48 @ 60 F Solubility : Very slightly soluble in the following materials: cold water. Solubility in water : 1.5 g/l Auto-ignition temperature : >220°C (>428°F)	Relative density	0.79	
Solubility: Very slightly soluble in the following materials: cold water.Solubility in water: 1.5 g/lAuto-ignition temperature: >220°C (>428°F)	Density Ibs/gal	Estimated 6.59 lbs/gal	
Solubility in water: 1.5 g/lAuto-ignition temperature: >220°C (>428°F)	Gravity, °API	Estimated 48 @ 60 F	
Auto-ignition temperature : >220°C (>428°F)	Solubility	Very slightly soluble in the following materials: cold water.	
	Solubility in water	1.5 g/l	
	Auto-ignition temperature	>220°C (>428°F)	
Conductivity : <50 picosiemens/meter (unadditized)	Conductivity	<50 picosiemens/meter (unadditized)	

Section 10. Stability and reactivity

Reactivity	: Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).	
Chemical stability	: The product is stable.	
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.	
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, welch braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.	
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials	
Date of issue/Date of revision	: 1/30/2015. Version : 2	6/12

Section 10. Stability and reactivity

Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Section 11. Toxico	ological information
Information on toxicological	effects
Acute toxicity	
Conclusion/Summary	: C9-C15 Alkanes : In animal studies utilizing mineral spirits containing up to 22% aromatics indicated that the acute central nervous system effects are reversible. Based on existing animal studies, the potential for persistent effects is not clear. Distillates (petroleum), hydrotreated light : Mineral spirits have produced slight to moderate skin irritation particularly with evaporation from the skin is prevented. Animal studies have demonstrated that mineral spirits produced mild respiratory tract irritation at elevated concentrations.
Irritation/Corrosion	
Skin	: C9-C15 Alkanes : Primary dermal irritation studies (four hour exposure) in rabbits utilizing mineral spirits containing less than 2% aromatics resulted in slight to moderate skin irritation. In humans, mineral spirits have produced slight to moderate skin irritation particularly with evaporation from the skin is prevented.
Eyes	: No additional information.
Respiratory	: C9-C15 Alkanes : Animal studies have demonstrated that mineral spirits produced mild respiratory tract irritation at elevated concentrations. Also, sensory respiratory tract irritation was evident by reduced breathing rates in the test animals in certain studies.
Sensitization	
Skin	: C9-C15 Alkanes : In animal studies utilizing mineral spirits containing up to 18%, aromatics skin sensitization is not evident.
Respiratory	: No additional information.
Mutagenicity	
Conclusion/Summary	: C9-C15 Alkanes : In vivo and in vitro studies on mineral spirits containing up to 22 % aromatics indicate that these products are not genotoxic.
Carcinogenicity	
Conclusion/Summary	: C9-C15 Alkanes : The National Toxicology Program (NTP) conducted two-year carcinogenicity studies in rats and mice with Stoddard Solvent IIC (less than 2% aromatics). The studies indicated that there was some evidence of carcinogenic activity in male rats (adrenal medulla neoplasms and renal tubule adenoma) but no evidence of carcinogenic activity in female rats. Further, there was equivocal evidence of carcinogenic activity in female mice (hepatocellular adenoma) but no evidence of carcinogenic activity in male mice. A low carcinogenic potential is suggested by a lack of genotoxic potential identified in in vivo and in vitro genetic toxicity tests (with and without metabolic activation).
Reproductive toxicity	
Conclusion/Summary	: C9-C15 Alkanes : There were no treatment-related effects on pregnancy rate, mortality or gross post mortem observations in animal studies utilizing mineral spirits containing less than 2% aromatics.
Teratogenicity	
Conclusion/Summary	: C9-C15 Alkanes : There were no treatment-related effects on pregnancy rate, mortality or gross post mortem observations in animal studies utilizing mineral spirits containing less than 2% aromatics.
Specific target organ toxic	<u>ty (single exposure)</u>
Namo	Category Pouto of Target organs

Name		Route of exposure	Target organs
C9-C15 Cycloalkanes C9-C15 Alkanes	0,		Narcotic effects Narcotic effects

<u>Specific target organ toxicity (repeated exposure)</u> Not available.

Section 11. Toxicological information

Aspiration hazard		
Name		Result
C9-C15 Cycloalkanes C9-C15 Alkanes		ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Information on the likely routes of exposure	: Routes of entry anticipated: Oral	, Dermal, Inhalation.
Potential acute health effect	<u>ots</u>	
Eye contact	: May cause eye irritation.	
Inhalation	: Harmful if inhaled. Can cause c drowsiness and dizziness.	entral nervous system (CNS) depression. May cause
Skin contact	: Causes skin irritation.	
Ingestion	: Can cause central nervous syste enters airways. Irritating to mou	em (CNS) depression. May be fatal if swallowed and th, throat and stomach.
Symptoms related to the p	hysical, chemical and toxicological	<u>characteristics</u>
Eye contact	: Adverse symptoms may include pain or irritation watering redness	the following:
Inhalation	: Adverse symptoms may include nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness	the following:
Skin contact	: Adverse symptoms may include irritation redness	the following:
Ingestion	: Adverse symptoms may include nausea or vomiting	the following:
Potential chronic health e	ffects	
	: No known significant effects or c	with a state state
General	· No known significant enects of t	ritical nazaros.
General Carcinogenicity	: No known significant effects or c	
	•	ritical hazards.
Carcinogenicity	: No known significant effects or c	ritical hazards. ritical hazards.
Carcinogenicity Mutagenicity	No known significant effects or cNo known significant effects or c	ritical hazards. ritical hazards. ritical hazards.

Section 12. Ecological information

	<u>Toxicity</u>			
	Conclusion/Summary	Not available.		
	Persistence and degradability			
	Not available.			
	Conclusion/Summary	: Not available.		
	Bioaccumulative potential			
-	Date of issue/Date of revision	: 1/30/2015.	Version : 2	

Section 12. Ecological information

Not available.

Mobility in soil

Soil/water partition	:
coefficient (Koc)	

: Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the
	requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. This material and its container must be disposed
	of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
RCRA classification	: D018

Section 14. Transport information

	DOT Classification	IMDG	ΙΑΤΑ
UN number	UN1268	Not regulated.	Not regulated.
UN proper shipping name	UN1268, Petroleum Distillates, n. o.s., Combustible Liquid, PG III liquid	-	-
Transport hazard class(es)	Combustible liquid.	-	-
Packing group	Ш	-	-
Environmental hazards	No.	No.	No.
Additional information	Remarks The following U. S. DOT hazardous materials shipping description applies to bulk packaged material that is transported by highway or rail. Alternate shipping descriptions may be required for product transported by marine vessel, air or other method and for non- bulk packaged material.		

Section 14. Transport information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

U.S. Federal regulations	: TSCA 12(b) one-time export: Nonane, all isomers			
	United States inventory (TSCA 8b): All components are listed or exempted. Clean Water Act (CWA) 307: Naphthalene; Benzene; Toluene; Ethylbenzene			
	<u>SARA 302/304</u>			

Composition/information on ingredients

SARA 304 RQ	: Not applicable.
<u>SARA 311/312</u>	
Classification	: Fire hazard Immediate (acute) health hazard

Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
C9-C15 Cycloalkanes	Yes.		No.	Yes.	No.
C9-C15 Alkanes	Yes.		No.	Yes.	No.

State regulations

Massachusetts	: The following components are listed: NONANE
New York	: None of the components are listed.
New Jersey	: The following components are listed: NONANE
Pennsylvania	: The following components are listed: NONANE
California Bron 65	

California Prop. 65

WARNING: This product contains less than 0.1% of a chemical known to the State of California to cause cancer. WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	%	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Naphthalene	<0.0001	Yes.	No.	Yes.	No.
Toluene	<0.0001	No.	Yes.	No.	7000 μg/day (ingestion)
Benzene	<0.0001	Yes.	Yes.	6.4 μg/day (ingestion)	24 μg/day (ingestion) 49 μg/day
				13 µg/day (inhalation)	(inhalation)
Ethylbenzene	<0.0001	Yes.	No.	41 μg/day (ingestion) 54 μg/day	No.

Section 15. Regulatory information

		(inhalation)	
International regulations			
International lists	 Australia inventory (AICS): All component China inventory (IECSC): All component Japan inventory: All components are list Korea inventory: All components are list Malaysia Inventory (EHS Register): All component New Zealand Inventory of Chemicals (N Philippines inventory (PICCS): All component Taiwan inventory (CSNN): Not determined 	ts are listed or exempted ed or exempted. ed or exempted. components are listed VZIOC) : All component ponents are listed or ex	ed. or exempted. s are listed or exempted.
Canada inventory	: All components are listed or exempted.		
EU Inventory	: All components are listed or exempted.		
WHMIS (Canada)	 Class B-3: Combustible liquid with a flash (200°F). Class D-2B: Material causing other toxic e 		(100°F) and 93.3°C

Section 16. Other information

National Fire Protection Association (U.S.A.)



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<u>History</u>	
Date of issue/Date of revision	: 1/30/2015.
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

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Section 16. Other information

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