Safety Data Sheet

Printing date 07/23/2018 **Version Number 1.1** **Reviewed on 07/23/2018**

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1 Identification

Product identifier

Trade name: ***Pieri Release 80***

SDS ID Number: 92

Relevant identified uses of the substance or mixture, and uses advised against:
Specialty construction product. Not intended for other uses.

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:

Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)
Email address: msds.gcp@gcpat.com

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

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2 Hazard(s) identification

Classification of the substance or mixture

Flam. Liq. 3	H226	Flammable liquid and vapor.
Acute Tox. 4	H332	Harmful if inhaled.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Carc. 2	H351	Suspected of causing cancer.
STOT SE 3	H336	May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to the central nervous system through prolonged or repeated exposure.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

Label elements:

Hazard pictograms

GHS02 GHS07 GHS08

Danger

Hazard statements
Flammable liquid and vapor.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.

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Suspected of causing cancer.
May cause drowsiness or dizziness.
May cause damage to the central nervous system through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

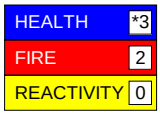
Precautionary statements
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapors/spray.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves / eye protection / face protection.
If swallowed: Immediately call a poison center/doctor.
Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
In case of fire: Use for extinction: Carbon dioxide.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard description: Flammable

NFPA ratings (scale 0 - 4)

Health = 3
Fire = 2
Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = *3
Flammability = 2
Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

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3 Composition/information on ingredients

Chemical characterization: Mixture

	Hazardous components:	
8052-41-3	Stoddard solvent	50-100%
95-63-6	1,2,4-trimethylbenzene	2.5-10%
67-63-0	Isopropanol	2.5-10%
1330-20-7	Xylene	1-<3%
100-41-4	Ethylbenzene	0.1-<1%
91-20-3	Naphthalene	0.1-<1%

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Additional information: Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.

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4 First-aid measures

Description of first aid measures

General information: Get medical advice/attention if you feel unwell.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:
Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

After eye contact:

Rinse opened eye for several minutes under running water.

Rinse cautiously with water for several minutes.

After swallowing:

Do NOT induce vomiting.

Do not induce vomiting; immediately call for medical help.

Never give anything by mouth to an unconscious person.

Information for doctor:

Most important symptoms and effects, both acute and delayed

Harmful: may cause lung damage if swallowed.

Irritating to eyes.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: CO2, sand,extinguishing powder. Do not use water.

Special hazards arising from the substance or mixture No further relevant information available.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Prevent seepage into sewage system, workpits and cellars.

Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Sweep up spilled product into receptacles.

Dispose contaminated material as waste according to section 13 of the SDS.

Reference to other sections

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling

Avoid contact with skin.

Open and handle receptacle with care.

Prevent formation of aerosols.

Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.

Avoid contact with eyes.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Use only in explosion protected area.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Empty containers may retain hazardous residue, both liquid and vapor.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Conditions for safe storage, including any incompatibilities

Storage:
Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Use only in explosion protected area.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

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8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:	
8052-41-3 Stoddard solvent	
PEL (USA)	Long-term value: 2900 mg/m³, 500 ppm
REL (USA)	Long-term value: 350 ppm Ceiling limit value: 1800* mg/m³ *15-min
TLV (USA)	Long-term value: 525 mg/m³, 100 ppm
67-63-0 Isopropanol	
PEL (USA)	Long-term value: 980 mg/m³, 400 ppm

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REL (USA)	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm
TLV (USA)	Short-term value: 984 mg/m³, 400 ppm Long-term value: 492 mg/m³, 200 ppm BEI
95-63-6 1,2,4-trimethylbenzene	
REL (USA)	Long-term value: 125 mg/m³, 25 ppm
TLV (USA)	Long-term value: 123 mg/m³, 25 ppm
1330-20-7 Xylene	
PEL (USA)	Long-term value: 435 mg/m³, 100 ppm
REL (USA)	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV (USA)	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI
91-20-3 Naphthalene	
PEL (USA)	Long-term value: 50 mg/m³, 10 ppm
REL (USA)	Short-term value: 75 mg/m³, 15 ppm Long-term value: 50 mg/m³, 10 ppm
TLV (USA)	Long-term value: 52 mg/m³, 10 ppm Skin; BEI

Ingredients with biological limit values:	
67-63-0 Isopropanol	
BEI (USA)	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
1330-20-7 Xylene	
BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:
A chemical cartridge respirator with organic vapor cartridge is required if occupational exposure limits are exceeded. A dust/mist cartridge or prefilter may be needed in addition to control exposure to mist. Supplied air respirator (SCBA) is required at exposure levels above the capabilities of a chemical cartridge respirator.

Protection of hands: Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Eye protection:

Safety glasses with side shield protection.

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Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.

A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:

Protective work clothing

Use personal protective equipment as required.

Take off contaminated clothing.

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9 Physical and chemical properties

Information on basic physical and chemical properties

General Information	
Appearance:	
Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value (~):	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	82 °C (179.6 °F)
Flash point:	49 °C (120.2 °F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	230 °C (446 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self-igniting.
Danger of explosion:	In use, may form flammable/explosive vapor-air mixture.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not determined.
Density: (~) at 20 °C (68 °F)	0.8 g/cm³ (6.7 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Molecular weight	Not applicable.
Other information	No further relevant information available.

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10 Stability and reactivity

Reactivity Stable under normal conditions.

Chemical stability

Thermal decomposition: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products:

Carbon monoxide and carbon dioxide
Hydrocarbons
Other potentially hazardous products may also be formed.

Additional information: See section 7 for information on handling, storage and conditions to be avoided.

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11 Toxicological information

Delayed and immediate effects and chronic effects from short or long term exposure
May cause damage to organs through prolonged or repeated exposure.

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:		
67-63-0 Isopropanol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	13400 mg/kg (rabbit)
		4570 mg/kg (rat)
Inhalation	CL50, 4h	72600 mg/m³ (rat)
	LC50, 4h	30 mg/l (rat)
	LD50	12800 mg/kg (rabbit) (cutaneous)
		1088 mg/kg (rat) (cutaneous)
95-63-6 1,2,4-trimethylbenzene		
Dermal	LD50	3160 mg/kg (rabbit)
		>3500 mg/kg (rat)
Inhalation	LC50, 4h	18 mg/l (rat)
1330-20-7 Xylene		
Dermal	LD50	4200 mg/kg (rabbit)
Inhalation	LC50, 4h	27.6 mg/l (rat)
91-20-3 Naphthalene		
Dermal	LD50	5000 mg/kg (rat)
		5000 mg/kg (rat)
Inhalation	LC50, 4h	>100 mg/l (rat)
100-41-4 Ethylbenzene		
Dermal	LD50	3500 mg/kg (rat)
		17800 mg/kg (rabbit)

Primary irritant effect:

on the skin: Causes skin irritation.

on the eye: Causes serious eye irritation.

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inhalation: Harmful if inhaled.

Ingestion:

Harmful: may cause lung damage if swallowed.
May cause damage to the central nervous system through prolonged or repeated exposure.

Additional toxicological information:
Suspected of causing cancer.
Chemicals contained in this product can affect the skin, heart, brain, liver, kidneys, lungs and spleen. Over exposure by inhalation may be fatal due to pulmonary edema (fluid in lungs). This material may be harmful or fatal if swallowed. Ingestion may result in vomiting; aspiration (breathing) of vomitus into lungs must be avoided as even small quantities may result in aspiration pneumonitis. Some harmful effects are also possible through skin absorption.

Carcinogenic categories

IARC (International Agency for Research on Cancer) Human Carcinogenicity: Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable		
67-63-0	Isopropanol	3
1330-20-7	Xylene	3
91-20-3	Naphthalene	2B
100-41-4	Ethylbenzene	2B

NTP (National Toxicology Program) K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic		
91-20-3	Naphthalene	R

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12 Ecological information

Toxicity

Aquatic toxicity:	
67-63-0 Isopropanol	
CE50, 48h	13300 mg/l (daphnia magna) (OECD 202)
CE50, 72h	>1000 mg/l (algae) (OECD 201)
CL50, 96h	9640 mg/l (fish) (OECD 203)

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxical effects:

Remark: Harmful to fish

Additional ecological information:

General notes:

Harmful to aquatic organisms

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

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Other adverse effects No further relevant information available.

13 Disposal considerations

Disposal methods:

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Dispose of contents/container in accordance with local/regional/national/international regulations.

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14 Transport information

UN-Number
IMDG, IATA UN1993

UN proper shipping name
IMDG, IATA FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE, ISOPROPANOL (ISOPROPYL ALCOHOL))

Transport hazard class(es)

IMDG, IATA

Class 3 Flammable liquids
Label 3

Packing group
IMDG, IATA III

Environmental hazards:
Marine pollutant: No

Special precautions for user
Warning: Flammable liquids
Danger code (Kemler): 30
EMS Number: F-E,S-E
Stowage Category B

Transport/Additional information:

DOT
Remarks: Nonbulk over the road shipments are not regulated.

IMDG
Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

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UN "Model Regulation": UN 1993 FLAMMABLE LIQUIDS, N.O.S. (TURPENTINE SUBSTITUTE, ISOPROPANOL), 3, III

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15 Regulatory information

SARA (Superfund Amendments and Reauthorization Act)

Section 302/304 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

67-63-0	Isopropanol	4.0%
95-63-6	1,2,4-trimethylbenzene	3.1%
1330-20-7	Xylene	1.8%

SARA Section 312/Tier I & II Hazard Categories:
Physical Hazard - Flammable (gases, aerosols, liquids, or solids)
Health Hazard - Carcinogenicity
Health Hazard - Acute toxicity (any route of exposure)
Health Hazard - Skin Corrosion or Irritation
Health Hazard - Serious eye damage or eye irritation
Health Hazard - Specific target organ toxicity (single or repeated exposure)
Health Hazard - Aspiration Hazard

North America Chemical Inventory Status

TSCA (Toxic Substances Control Act - United States):

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

Right to Know Ingredient Disclosure:

8016-28-2	Lard oil

California Proposition 65: (Substances <0.1% unless noted in Section 3)

Chemicals known to cause cancer:

Naphthalene
Ethylbenzene

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity Categories

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)
Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable

Kerosine (petroleum), hydrodesulfurized	A3
Isopropanol	A4
Xylene	A4

NIOSH-Cancer (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

Volatile Organic Compounds (VOC) reported per the Emission Standards. 763 g/l / 6.37 lb/gl

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16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own

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program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

Department issuing SDS:

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414

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The first date of preparation 02/27/2007

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