



TURBINE ENGINE OVERHAUL P&W JT8D & JT8D-200

14080 S.W. 143 Ct. Miami, Florida, 33186 * Ph.: (305) 254-0034 Fax (305) 254-0037

FAA Approved Repair Station No. Q6GR293Y

CUSTOMER: Turbine Engine Solutions

PT6A-34

E/S/N: PCE-56351

W/O: 1479

SHOP VISIT RECORDS

Eng TT: 13,091.4 - Eng TC: 11,825

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 1479/2019	
4. Organization Name and Address: Turbine Engine Solutions, Inc. 14080 SW 143 Court, Miami, FL 33186				5. Work Order/Contract/Invoice Number: 1479	
6. Item: 7. Description:		8. Part Number:		9. Quantity:	
001 ENGINE		PT6A-34		1ea	
		10. Serial Number:		11. Status/Work:	
		PCE-56351		Overhauled	
12. Remarks: The above Pratt & Whitney Turbo Prop PT6A-34 Engine S/N: PCE-56351 was overhauled and tested I/A/W Pratt & Whitney Canada Overhaul Manual P/N: 3021243, Rev. 45, Dated: 08/Oct/2018. Pertinent details are on file at this repair station under Work Order: 1479. The Engine is composed by the following modules: *Gas Generator TSN: 13,091.4 - CSN: 11,825 - TSO: 0 - CSO: 0 *Power Section TSN: 13,091.4 - CSN: 11,825 - TSO: 0 - CSO: 0 *CT Vane Ring: Class: 6.04 - Cavity: 3S1, PT Stator Assy: Class: 15.36 - Cavity: 3S8 All Time & Cycle information provided by the customer. Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the component is considered ready for release to service under EASA Part 145 Approval No: EASA 145.6500.					
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.					
13b. Authorized Signature:		13c. Approval/Authorization No.:		14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14b. Authorized Signature:  14d. Name (Typed or Printed): Sigfredo Osorio, QC Director	
				14c. Approval/Certificate No.: Q6GR293Y	
				14e. Date (dd/mm/yyyy): 16/APR/2019	
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					



TURBINE ENGINE OVERHAUL

14080 S.W. 143Ct., Miami Florida 33186 * Ph.: (305) 254-0034 Fax (305) 254-0037

FAA Approved Repair Station No. Q6GR293Y

PT6A ENGINE LIFE LIMITED COMPONENT RECORD

WORK ORDER: 1479 CUSTOMER: TES DATE: 04/Apr/2019
ENGINE MODEL: PT6A-34 ENGINE S/N: PCE-56351
ENGINE TOTAL TIME: 13,091.4 ENGINE TOTAL CYCLES: 11,825
TIME SINCE HSI: 00 CYCLES SINCE OVERHAUL: 00 TIME SINCE OVERHAUL: 00

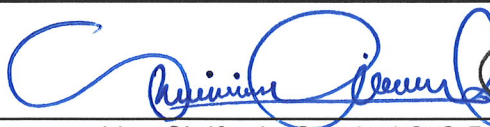
STAGE	PART	SERIAL NUMBER	MAX	TOTAL	CYCLES REMAIN
HUB, COMP 1st STAGE	3013111	8F299	19,000	7,108	11,892
* COMP. 2nd STAGE	3013712	A001Y6C8	24,000	15,638	8,362
COMP. 3rd STAGE	3011713	B4544	25,000	11,825	13,175
COMP. 4tg STAGE	NA	NA	NA	NA	NA
IMPELLER	3013176	B0369	19,000	11,825	7,175
CT DISK	3013411	A0002YHD	16,000	2,462	13,538
PT DISK	3026812	A001YCOK	20,000	1,662	18,338
PT 2 DISK	NA	NA	NA	NA	NA

Notes: N/A

Accessories	P/N	S/N	TSO
Prop Governor	N/A	N/A	N/A
Fuel Pump	025323-101-03	5299	0
FCU	2524440-7-6	A59126	0
Fuel/Oil Heater	10552E	1065	0
Bleed Valve	3100829-03	6D283	0
Fuel Nozzles	Various	Various	0
Ignition Exciter	10-381550-4	NN03106693	0

Manual P/N 3023243 Rev. 45, 08/Oct/2018

References: (*) Denotes Disk replaced at this shop visit.
All times and cycles provided by the customer.

TESI FORM 6001 Approved by:  / Q.C Director DATE: 16/Apr/2019





PT6A SERIES AIRWORTHINESS DIRECTIVES STATUS

W/O: 1479		DATE: 16-Apr-2019		CUSTOMER: T.E.S		TOTAL CYCLES: 11,825	
MODEL: PT6A-34		ENG. S/N: PCE-56351		TOTAL TIME: 13,091.4			
AD Number	Effective Date	SUBJECT		COMPLIANCE REQ.	APPLICABILITY	VERIFICATION METHOD	
75-11-04	20-May-1975	Within the next twenty-five hours in service after installation of the magnetic chip detector and every twenty-five hours in service thereafter, check magnetic chip detector for electrical continuity using any utility ohmmeter.		Inspect	PT6A-6, -6A, -6B, -6/C20, -20, -20A, -20B, -27, -28, -34	N/A to Power Shaft Housing Assembly P/N: 3107453-01,	
75-06-01	1-Apr-1977	To ensure the early detection of reduction gearbox deterioration which could result in an engine failure and provide for improved blade containment		Inspect	PT6A-6, -6A, -6B, 6/C20, -20, -20A, -20B, -27, -28, -34	N/A to Liner P/N 3109264-01 & PT Cointainment P/N: 3109595-01	
80-08-12	18-Apr-1980	Inspect for wear of the fuel pump drive coupling splines which results in an engine flameout condition		Inspect	PT6A Models listed on AD	N/A to O/H Fuel Pump P/N: 025323-101-03, Post S/B: 1316 & S/B: 1321 Installed.	
90-12-05	30-May-1990	Complete Overhaul of Engines Repaired by Gregory Flying Service / Airforce Turbine Service		OVERHAUL	MODEL AND ESN AS LISTED ON AD	N/A to Engine P/N Or S/N	
92-15-11	17-Aug-92	Compressor Delivery Air Line (P3) Filter Assembly		Inspect	PT6 Series Engines	N/A no Air Line (P3) Filter Assembly installed	
97-04-12	14-Mar-1997	To prevent engine power reduction due to malfunction of the Compressor Bleed Off Valve (BOVs), If supplier Code # 8070 is found, Inspect per SB 14251, Revision 1		Inspect	PT6 Series Engines	N/A to O/H Bleed Valve P/N: 3100829-03, S/N: 6D283 installed at this shop visit.	
2002-23-13	31-Dec-2002	Inspection of engines with Dual Turbine Exhaust Duct PN's 3012290, 3031988, 3032117, 3035784, 3035786 3105890-01, 3112167-01, 3111780-01 for Low-Quality Welds		Inspect Exhaust Duct	PT6 Series Engines	N/A to O/H Exhaust duct P/N: 3101037-02(SB1430) installed at this shop visit	
2011-20-51	1-Nov-2011	Replace first stage sun gears and planet gear on engines having PMA PN E3024765 SN's PC5-091 through PC5-176 manufactured by Timken		Replace PMA Part	PT6A-15AG,-27,-28, -34,-34AG,-34B, and -36	N/A to New first stg sun gears P/N: 3024765 Installed.	
2011-25-12	28-Dec-2011	Replace PMA Sun Gear PN E3024765, SN PC5-051 to PC5-089 & SN SG36-051 to SG36-120 and Planet gear PN E3101455-02 SN EE-051 to EE-197, SN's EE-4051 to EE-4094 & SN EE-4113		Replace PMA Part	PT6A-15AG,-27,-28, -34,-34AG,-34B, and -36	N/A to new first stg sun gears P/N: 3024765 & new first stg Planet gear set P/N: 3101455-02TA Installed.	
2014-11-05	25-Aug-2014	PT Containment Ring Modification or Replacement with PN 3109595-01 Per SB 12076, R3 or PT6A-72-A1427, R3		Replace or Modify Containment Ring	Engine Models and SN's Per AD	C/W to PT Containment ring P/N: 3109595-01 replaced during this shop visit.	


 T.E.S.
 Q.C.
 10
 APR 16 2019





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 14080 S.W. 143 Ct., Miami Florida 33186 * Ph.: (305) 254-0034 Fax (305) 254-0037
 FAA Approved Repair Station No. Q6GR293Y

PT6A BORESCOPE INSPECTION FORM

DATE: 16/Apr/2019 W/O: 1479 ENGINE S/N: PCE-56351 PT6A-34 CUSTOMER: T.E.S.

CONDITION: RECEIVING () BEFORE TEST () AFTER TEST (x)

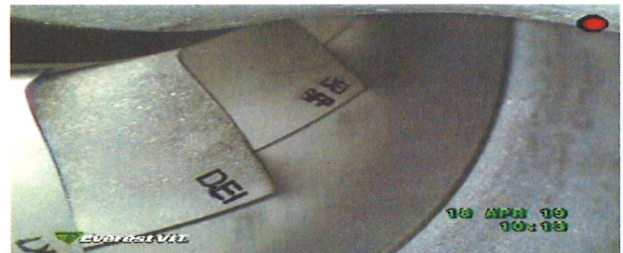
VISUAL BORESCOPE () VIDEO BORESCOPE (x)

INLET CASE AREA

No visual discrepancies noted at this inspection.	ACCEPT	REJECT
	X T.E.S. Q.C. 10	

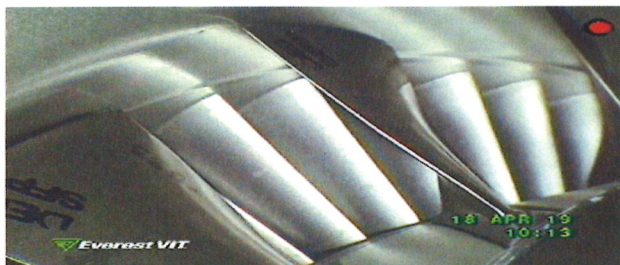
C-1 BLADES

No visual discrepancies noted at this inspection.	ACCEPT	REJECT
	X T.E.S. Q.C. 10	



C-1 Stator

No visual discrepancies noted at this inspection.	ACCEPT	REJECT
	X T.E.S. Q.C. 10	





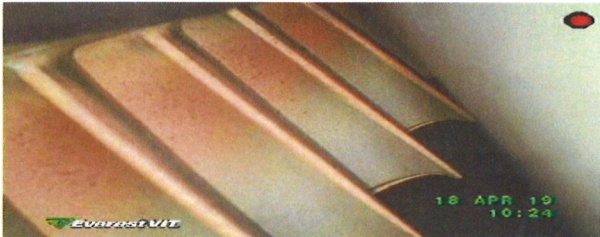
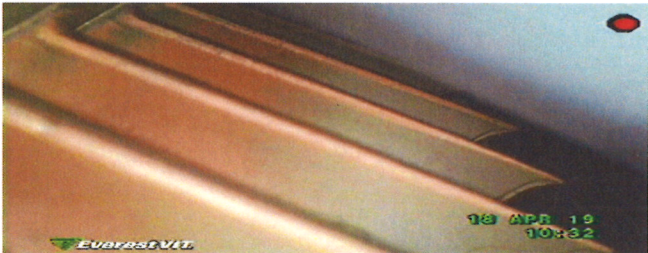
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14080 S.W. 143 Ct., Miami Florida 33186 * Ph.: (305) 254-0034 Fax (305) 254-0037

FAA Approved Repair Station No. Q6GR293Y

PT6A BORESCOPE INSPECTION FORM

DATE: 16/Apr/2019 W/O: 1479 ENGINE S/N: PCE-56351 PT6A-34 CUSTOMER: T.E.S.

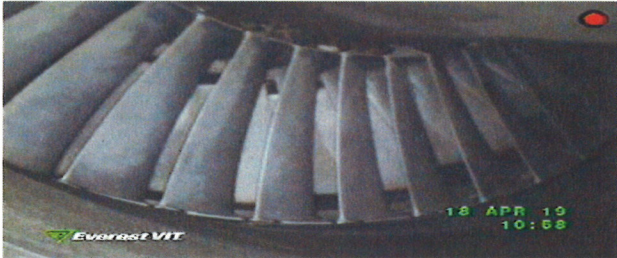
Compressor Turbine

No visual discrepancies noted at this inspection.	ACCEPT	REJECT
	X T.E.S. Q.C. 10	
		

Compressor Turbine Vane

No visual discrepancies noted at this inspection.	ACCEPT	REJECT
	X T.E.S. Q.C. 10	

Power Turbine

No visual discrepancies noted at this inspection.	ACCEPT	REJECT
	X T.E.S. Q.C. 10	
		



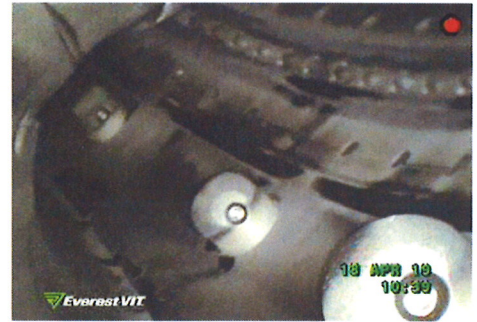
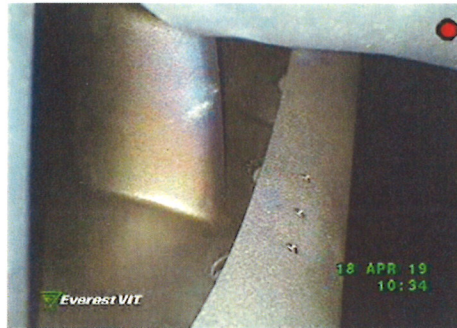
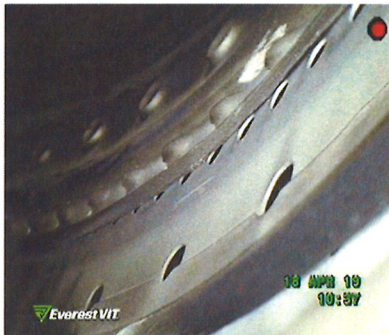
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PT6A BORESCOPE INSPECTION FORM

DATE: 16/Apr/2019 W/O: 1479 ENGINE S/N: PCE-56351 PT6A-34 CUSTOMER: T.E.S.

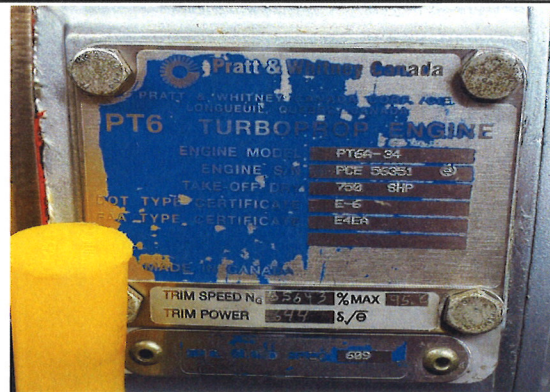
COMBUSTION CHAMBERS

No visual discrepancies noted at this inspection.	ACCEPT	REJECT
	X T.E.S. Q.C. 10	



Exhaust Duct & Engine Data Plate

No visual discrepancies noted - normal wear.	ACCEPT	REJECT
	X T.E.S. Q.C. 10	



INSPECTED BY:
 TESI 1000A

Sigifredo Osorio / Q.C Director

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 8820	
4. Organization Name and Address: Mint Turbines, LLC 2915 N. State Hwy 99, Stroud, OK 74079				5. Work Order/Contract/Invoice Number: 8437	
6. Item:		7. Description:		8. Part Number:	
1		Turboprop Engine		3020800	
9. Quantity:		10. Serial Number:		11. Status/Work:	
1 Each		PC-E 56351		Tested	
12. Remarks: Tested & Preserved IAW PWC OHM 3021243 Rev45. Build Spec: 609 TSN: 13,091.4 TSO: 0.0 CSN: 11,825 CSO: 0 Note: During test the PT Vane flow class was increased by 5 tenths (0.5). Trimstick P/N 3031417CL35 required.					
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXX		13c. Approval/Authorization No.: XXXXXXXXXXXXXXXXXXXX		14b. Authorized Signature: 	
13d. Name (Typed or Printed): XXXXXXXXXXXXXXXXXXXXXXXXXXXX		13e. Date (dd/mm/yyyy): XXXXXXXXXXXX		14c. Approval/Certificate No.: 5MNR431B	
14d. Name (Typed or Printed): Kenneth R. Arnold		14e. Date (dd/mm/yyyy): 04/APR/2019			
User/Installer Responsibilities					
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Mint Turbines LLC

P.O. Box 460

Stroud, Oklahoma 74079-0460

Phone: 918-968-9561 / Fax: 918-968-9564

FAA Repair Station # 5MNR431B



Model: PT6A-34 S/N: PC-E 56351 Work Order: 8820 Cond: Tested

Power Section Total Time:	13,091.4	Power Section Time Since Overhaul:	0.0
Gas Generator Total Time:	13,091.4	Gas Generator Time Since Overhaul:	0.0
Power Section Total Cycles:	11,825	Power Section Cycles Since Overhaul:	0
Gas Generator Total Cycles:	11,825	Gas Generator Cycles Since Overhaul:	0
Time Since Last H.S.I.:	N/A	Time Since Last Repair:	N/A

MAINTENANCE RELEASE

Work Accomplished: Tested & Preserved IAW PWC OHM 3021243 Rev45.
Build Spec: 609
Note: During test the PT Vane flow class was increased by 5 tenths (0.5).
Trimstick P/N 3031417CL35 required.

The Unit listed above has been Overhauled/Inspected/Repaired/Tested in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under the work order number listed above.

CORRECTED ENGINE PERFORMANCE

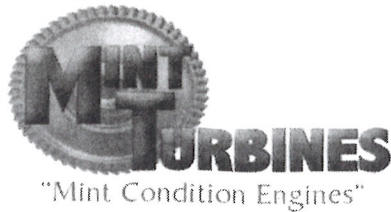
	SHP	NG:	T5:	SFC:
Rating Take Off:	750	36,512	1,759	0.612
Test Cell Requirement:	N/A	N/A	N/A	N/A
Cor. Eng. Take Off Performance Repair Limits:	N/A	N/A	N/A	N/A
Cor. Eng. Take Off Performance Overhaul Limits:	750	36,800	1,785	0.623
Cor. Eng. Test Cell Requirement Repair Limits:	N/A	N/A	N/A	N/A
Cor. Eng. Test Cell Requirement Overhaul Limits:	N/A	N/A	N/A	N/A

Trim:	Deg. F°	71	Deg. C°	39.4
Harness:	PN:	Shipped	Class:	Short

PT Vane Ring:	Cavity:	3S8	Class:	15.36 EFA	PN:	3024862CL12.7	SN:	8D108
CT Vane Ring	Cavity:	3S1	Class:	6.04	PN:	3032151CL0605	SN:	9N330
Bleed Valve		P.S.I.	N/A		PN:	3100829-03	SN:	6D283

Inspector: Kenneth R. Arnold Signature:  Date: 4-Apr-2019

FRM-PT6ALB1



Date: April 8, 2019

Customer Information: **Turbine Engine Solutions**

ADDRESS: ATTN: Amparo Hernandez
 14080 SW 143rd Court
 Miami, FL 33186
 PH: (305) 254-0034

To whom it may concern,

Mint turbines LLC (FAA repair Station #5MNR431B) is FAR Part 145 Repair Station Facility for Pratt & Whitney and Honeywell Engines. All Pratt & Whitney and Honeywell Engines are repaired & or overhauled in accordance with the Pratt & Whitney and Honeywell Overhaul Manuals and or the Pratt & Whitney and Honeywell Maintenance Manuals and are purged and dry packed to the Pratt & Whitney and Honeywell Overhaul Manuals.

Unit serial number PC-E 56351 was purged, preserved and prepared for storage under Work Order# 8820 on April 8, 2019. The aircraft engines & parts are clean & free from quarantine risk material.

Respectfully,

Kenneth R. Arnold/ Quality Supervisor

Kenneth R. Arnold

Quality Supervisor

karnold@mintturbines.com

MINT Turbines LLC

2915 North State Highway 99

Stroud, OK 74079

Phone: 918.968.9561 ext. 227

Fax: 918.968.9564



Material Safety Data Sheet



ROYCO 481 MIL-PRF-6081D

Version: 1.1

Revision Date: 05/13/2011

Print Date: 09/12/2011

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *ROYCO 481 MIL-PRF-6081D*

Product Use Description: Lubricant

Company: Manufacturer
Anderol Specialty Lubricants, a division of Chemtura Corporation
215 Merry Lane
East Hanover, NJ
07936
United States of America

Telephone: 973-887-7410

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
: 703-527-3887

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department
(US) +1 866-430-2775

05/13/2011

+011-886-2-2712-5668 MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!

Form: liquid

Colour: light yellow

Odour: slight hydrocarbon-like

Hazard Summary

: May cause eye and skin irritation.



Material Safety Data Sheet



ROYCO 481 MIL-PRF-6081D

Version: 1.1

Revision Date: 05/13/2011

Print Date: 09/12/2011

OSHA Hazards

: THIS MATERIAL IS NOT HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

Potential Health Effects

Primary Routes of Entry

: Eye contact
Skin contact

Aggravated Medical Condition Inhalation

: Skin disorders
: May cause respiratory tract irritation.

Skin

: May cause skin irritation.
Prolonged or repeated contact may dry skin and cause irritation.

Eyes

: May cause eye irritation.

Ingestion

: May be harmful if swallowed.
Aspiration hazard if swallowed - can enter lungs and cause damage.

Symptoms of Overexposure

: No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

No ingredients are hazardous according to HCS criteria.

SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation

: If inhaled
Move to fresh air.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
In case of bluish discoloration (lips, ear lobes, fingernails), give oxygen as quickly as possible.
If symptoms persist, call a physician.



Material Safety Data Sheet



ROYCO 481 MIL-PRF-6081D

Version: 1.1

Revision Date: 05/13/2011

Print Date: 09/12/2011

- Skin contact** : In case of skin contact
Wash off with soap and water.
Remove contaminated clothing and shoes.
Wash contaminated clothing before re-use.
Get medical attention if irritation develops and persists.
- Eye contact** : In case of eye contact
Rinse thoroughly with plenty of water, also under the eyelids.
If eye irritation persists, consult a specialist.
- Ingestion** : If swallowed, DO NOT induce vomiting.
Consult a physician if necessary.

Notes to physician

- Symptoms** : No information available.
- Treatment** : No information available.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

- Flash point** : 289 °F (143 °C)
Method: open cup
- Ignition temperature** : Remarks: not determined
- Lower explosion limit** : Remarks: no data available
- Upper explosion limit** : Remarks: no data available

Fire fighting

- Suitable extinguishing media** : Carbon dioxide (CO2)
Dry powder
Foam
Alcohol-resistant foam
Water mist
- Unsuitable extinguishing media** : Water
- Further information** : In the event of fire, cool tanks with water spray.



Material Safety Data Sheet



ROYCO 481 MIL-PRF-6081D

Version: 1.1

Revision Date: 05/13/2011

Print Date: 09/12/2011

Protective equipment and precautions for firefighters

- Specific hazards during fire fighting : Burning produces noxious and toxic fumes.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
- Environmental precautions : Should not be released into the environment.
Do not contaminate water.
Do not flush into surface water or sanitary sewer system.
- Methods for containment / Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
- Additional advice : Forms slippery/greasy layers with water.

SECTION 7. HANDLING AND STORAGE

Handling

- Handling procedures : Handle in accordance with good industrial hygiene and safety practice.
Keep container closed when not in use.
Do not use pressure to empty drums.
Ensure all equipment is electrically grounded before beginning transfer operations.

Storage

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
- Other data : Stable under recommended storage conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limit values.

Engineering measures



Material Safety Data Sheet



ROYCO 481 MIL-PRF-6081D

Version: 1.1

Revision Date: 05/13/2011

Print Date: 09/12/2011

Personal protective equipment

- | | |
|--------------------------|--|
| Eye protection | : Safety glasses with side-shields
Tightly fitting safety goggles |
| Hand protection | : Neoprene gloves |
| Skin and body protection | : impervious clothing |
| Respiratory protection | : Breathing apparatus needed only when aerosol or mist is formed.
In the case of vapour formation use a respirator with an approved filter. |
| Hygiene measures | : Avoid contact with skin, eyes and clothing.
Provide adequate ventilation.
Do not breathe dust or spray mist. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- | | |
|--------|------------------------------|
| Form | : liquid |
| Colour | : light yellow |
| Odour | : slight
hydrocarbon-like |

Safety data

- | | |
|-----------------------|---------------------------------------|
| Flash point | : 289 °F (143 °C)
Method: open cup |
| Ignition temperature | : Remarks: not determined |
| Lower explosion limit | : Note: no data available |
| Upper explosion limit | : Note: no data available |
| pH | : Note: not applicable |
| Vapour pressure | : Note: no data available |
| Specific Gravity | : 0.88 |



Material Safety Data Sheet



ROYCO 481 MIL-PRF-6081D

Version: 1.1

Revision Date: 05/13/2011

Print Date: 09/12/2011

Water solubility : Note: slightly soluble

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Heat.

Materials to avoid : Remarks: Strong acids and strong bases

Hazardous decomposition products : Note: Carbon oxides

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity :
Remarks: Not classified due to lack of data.

Skin irritation : Remarks: Not classified due to lack of data.

Eye irritation : Remarks: Not classified due to lack of data.

Sensitisation : Remarks: Not classified due to lack of data.

Toxicology Assessment

CMR effects : Carcinogenicity:
Not classified due to lack of data.
Mutagenicity:
Not classified due to lack of data.
Reproductive toxicity:
Not classified due to lack of data.

Further information : There is no data available for this product.



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12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish :
Remarks:
no data available

Toxicity to daphnia and other : Remarks:
aquatic invertebrates. no data available

Toxicity to algae : Remarks:
no data available

Elimination information (persistence and degradability)

Bioaccumulation : Remarks:
no data available

Mobility : Remarks:
no data available

Biodegradability : Result: no data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Additional ecological : There is no data available for this product.
information

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : In accordance with local and national regulations.

Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION



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DOT

Not dangerous goods

TDG

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

SARA 311/312 Hazards : No SARA Hazards

The components of this product are reported in the following inventories:

REACH : On the inventory, or in compliance with the inventory

US.TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL list.

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory



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PICCS On the inventory, or in compliance with the inventory

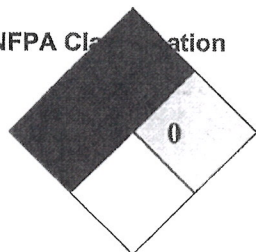
IECSC On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 0
Flammability: 1
Physical hazards: 0

NFPA Classification



: Health hazard: 0
Fire Hazard: 1
Reactivity Hazard: 0

Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+52 113 711 91 44
	All other countries	+44 (0)208 762 8322
<u>Mexico:</u>		+52 555 004 87 63

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.