

Safety Steps and Procedures To Follow Prior To Applying CallaSolve™ 120:

- 1.) Always refer to the safety data sheet (SDS) prior to applying **CallaSolve™ 120**.
- 2.) Always wear gloves and protective eyewear to prevent **CallaSolve™ 120** from making contact with the skin and eyes.
- 3.) Make sure there is proper airflow in the area where **CallaSolve™ 120** will be applied. In fact, **CallaSolve™ 120** cannot be used in poorly ventilated areas due to its solvent content.
- 4.) Make sure to completely rinse all entrapment areas.
- 5.) Make sure there are no sparks, open flames, hot surfaces, or other heat and fire ignition sources around the concentrated **CallaSolve™ 120**. Upon dilution, the **CallaSolve™ 120** is no longer flammable and can be used throughout the aircraft.
- 6.) **CallaSolve™ 120** contains terpenes which are potentially corrosive if entrapped and not completely removed. Therefore, the usage of this product may be restricted on some weapon systems in specific applications including **Aircraft SPD and/or missile or equipment SPMs**. Consult system specific maintenance manuals for additional details.
- 7.) Do not allow **CallaSolve™ 120** to contact canopy, window, or windshield/windscreen transparent plastic panels as it may cause crazing and do not apply **CallaSolve™ 120** to electrical wiring as it may cause damage to insulation.

CallaSolve™ 120 Product Information and Benefits:

- 1.) **CallaSolve™ 120** is a water dilutable and biodegradable terpene solvent-based cleaner and is a very good general cleaner for washing aircraft, missiles, components, and support equipment.
- 2.) **CallaSolve™ 120** is on the QPL for the **Mil-PRF-87937 Ty I** specification with the QPL reference being **SFTT95-002**.
- 3.) **CallaSolve™ 120** is authorized for use on general aircraft per **T.O. 1-1-691** and **T.O. 1C-135 (K) A-3-4** for aircraft cleaning and on military support equipment.
- 4.) **CallaSolve™ 120** contains a pleasant citrus odor and does not contain caustics or acids and has a viscosity of 300-400 cps.
- 5.) **CallaSolve™ 120** is effective for removal of heavy oils and greases, such as wire rope lubricant.

Areas Where CallaSolve™ 120 Can Be Applied:

CallaSolve™ 120 should be used for the cleaning of aerospace equipment including aircraft and ground equipment where heavy duty soil build up may occur.

Dilution and Application Procedures For CallaSolve™ 120:

- 1.) Dilute with water at **9 parts water to 1 part CallaSolve™ 120**, or **10% dilution**. For **waterless wipe down applications**, use a plastic spray bottle to apply **CallaSolve™ 120 (mixed one part CallaSolve™ 120 to nine parts water)** to the **exterior surfaces of the aircraft (several square feet at a time)**.
- 2.) **Higher concentrations** may be used if **tougher soils** are encountered. Depending on the type of soils involved, **CallaSolve™ 120** may be used in **various dilutions** as substitutes for solvents in hand wipe cleaning of **greasy and oily areas**. Apply **CallaSolve™ 120** from a pump spray bottle followed by drying with a clean, lint free cloth. When applied from a pump spray bottle at the **most dilute mixture recommended**, **CallaSolve™ 120** is an excellent cleaners for **lightly soiled surfaces in aircraft cabins and cockpits**, such as **non-transparent plastic parts and instrument glass covers**.
- 3.) The typical dilution procedure is to add the **CallaSolve™ 120** to an **empty container** and then **add water** until the **proper concentration** is achieved.

Dilution and Application Procedures For CallaSolve™ 120 (Continued From Page 1:

- 4.) For **painted exterior surfaces with light soils (dirt, dust, mud, salt, loose soot)**, dilute CallaSolve™ 120 at **1 part CallaSolve™ 120 in 16 parts water**. Apply cleaner solution with foam generator, spray, sponge, soft brush, or cloth. Scrub and then rinse with fresh water and dry.
- 5.) For **unpainted exterior surfaces with gun blast residues and carbonized exhaust residues**, dilute CallaSolve™ 120 at **1 part CallaSolve™ 120 in 4 parts water**. Wet surface with fresh water and apply CallaSolve™ 120 and scrub briskly with an A-A-58054, Type I, Grade A or B abrasive mat. Rinse with fresh water and dry. Apply CallaSolve™ 120 from a pump spray bottle followed by drying with a clean, lint free cloth. When applied from a pump spray bottle at the most dilute mixture recommended, CallaSolve™ 120 is an excellent cleaner for lightly soiled surfaces in aircraft cabins and cockpits, such as non-transparent plastic parts and instrument glass covers.
- 6.) For **moderate soils (hydraulic fluids, lube soils, light preservatives), heavy soils (carbonized oil, aged preservatives, grease, gun blast, and exhaust deposits)**, dilute **1 part CallaSolve™ 120 in 4 parts water**. Apply CallaSolve™ 120 with a foam generator, spray, sponge, soft brush, or cloth. Scrub and then rinse with fresh water and dry. Spray or brush on CallaSolve™ 120. After 5 to 15 minutes, brush and rinse thoroughly. Pre-clean by wiping or brushing with A-A-59601, MILPRF-32295, Type II or MIL-PRF-680, Type II or III solvent, then apply CallaSolve™ 120 solution with foam generator, spray, sponge, or cloth. Allow CallaSolve™ 120 to dwell for up to 1 minute without scrubbing, then scrub for up to a minute. Rinse thoroughly, then dry. Do not allow cleaning solution to dry on surfaces or streaking will occur.
- 7.) For **floors and deck with dirt and debris**, dilute CallaSolve™ 120 with **1 part CallaSolve™ 120 in 9 parts water**. Remove loose dirt with vacuum cleaner. Wipe with CallaSolve™ 120 and rinse with fresh water.
- 8.) For **helicopter cargo and rescue hoist drums with salt and salt water**, dilute CallaSolve™ 120 with **1 part CallaSolve™ 120 in 9 parts water**. Rinse with fresh water. Apply cleaning solution and scrub with a clean cloth or sponge. Rinse with clean water and blow dry with clean, compressed air or dry with a clean, dry cloth.
- 9.) For **bilge areas with hydraulic fluid, water, dirt, and metallic debris**, dilute CallaSolve™ 120 with **1 part CallaSolve™ 120 in 16 parts water**. Vacuum clean liquids and debris. Wipe area with a sponge dampened in cleaning solution. Rinse by sponging with fresh water. Wipe dry with a clean cloth. For bilge areas with algae contamination, dilute CallaSolve™ 120 with **1 part CallaSolve™ 120 in 9 parts water**. Mix CallaSolve™ 120 and water in a pump spray bottle. Spray mixture on contaminated area and allow it to dwell at least 2 minutes. Wipe off with a sponge and dry with a clean cloth.
- 10.) Use **one part CallaSolve™ 120 and 16 parts water** for the **removal of light to moderate soils**.
- 11.) Use **one part CallaSolve™ 120 and four parts water** for the **removal of heavy soils**.
- 12.) Apply **properly mixed/diluted CallaSolve™ 120** solution from a bucket, spraying equipment (including the **high pressure** type if approved by the **aircraft SPD and/or the missile or equipment SPM**), or foaming equipment.



Part of



CallaSolve™ 120 Product Pictures and Zip-Chem® Product Packaging Part Numbers:

CallaSolve™ 120

Ready For Use (4:1 Dilution)

- *Case of 12 of 24 fl oz (710 mL) Spray Bottles-**009097**
- *Case of 4 of 1 Gallon (3.8 Liter) Cans-**009436**
- *5 Gallon (18.9 Liter) Pails-**001979**
- *55 Gallon (208 Liter) Drums-**001980**
- *330 Gallon (1249 Liter) Tote-**001981**
- *Special packaging upon request

Gloves
Protective Eyewear
Respirator
Rinsing Equipment
Diluting Equipment
Spray Equipment
Cloth or Rag
Sponge

Brush
Foaming Equipment
Abrasive Mat
Cleaning Solvents
Vacuum Cleaner
Bucket



← NSN: 6850-01-461-0065 – Type I (24 fl oz (710 mL) Spray Bottle),

← NSN: 6850-01-514-0105 – Type III (24 fl oz (710 mL) Spray Bottle)

1 Gallon (3.8 Liter) Can →



For application questions regarding Calla® TR-521, contact Zip-Chem® Aviation Products at (1) 408 782 2335 or zipchem@addevmaterials.com.