



Product Bulletin

Better Chemistry. **Better Business.**

Hub-Tri

Product Code: 4351002
Revised Date: 06/03/2011

Hub-Tri

Hub-Tri is widely used in solvent blends in the material processing industry, and as a solvent in the electronics, printing, pulp and paper, textile, and chemical processing industries. **Hub-Tri** is used safely to degrease aluminum, magnesium, copper, brass, and ferrous metals, without harm to the equipment or work. The general properties of **Hub-Tri** make it acceptable, but not necessarily the best choice, for nearly all vapor-degreasing applications. Many times a higher or lower boiling point solvent would be better suited for the workload. Attention should be paid to the type of equipment being used in the degreasing operation. This may or may not be compatible with **Hub-Tri**.

The use of **Hub-Tri** is restricted in some areas by local environmental protection agency (EPA). Consult with a Hubbard-Hall salesman before employing this solvent in your plant.

ADVANTAGES

Good Cleaning:

Hub-Tri with its boiling point temperature of 188F is an excellent solvent for greases and oils.

Low Heat Inputs:

Because of this low boiling point, utility requirements are satisfied with low-pressure steam (15 PSIG) and city or cooling towers water.

Sufficiently Stabilized:

When properly stabilized, **Hub-Tri** resists chemical decomposition under heavy workloads.

PROPERTIES

Typical properties of **Hub-Tri** are shown in the following table:

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|----|----------------------------|------------------------------------|
| 1. | Boiling Point: | 189 F. (87 C.) |
| 2. | Appearance: | Clear and free of suspended matter |
| 3. | Color, APHA: | 15 max. |
| 4. | Alkalinity as; NAOH, wt. % | 0.0020 max. |



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| 5. | Water, wt. % | 0.0030 max. |
| 6. | Specific gravity at 25/25 C: | 1.46 |
| 7. | Free Halogens: | NONE |
| 8. | Residue on evaporation, wt. % | 0.0010 max. |
| 9. | Acid acceptance: as NAOH wt. % (non-reflux) | 0.14 min. |
| 10. | pH: | 8.5 (nominal) |
| 11. | Flash Point: | None when tested in accordance with DOT requirements |
| 12. | Odor: | Ether-like |
| 13. | Threshold limit value: | 50 PPM |

MEETS: Federal specification O-T-634B, type II military specification MIL-T-27620A, ASTM D-4080

SPECIFIC PRECAUTIONS

Handling And Storage:

Under normal conditions, Hub-Tri may be stored satisfactorily in galvanized iron, black iron, or steel. Although not required, Hub-Tri should be stored under pressure. Aluminum and titanium contact is not generally recommended for storage or handling. Store drums in a cool place, bung up and closed tightly. Ventilation should be provided at the floor level.

OTHER PRECAUTIONS:

Do not store in pits, depressions and basements, or in unventilated areas.

SPILL OR LEAK PROCEDURES

Leaks should be stopped. Spills should be cleaned up immediately. Large spills should be contained and removed by vacuum truck. Smaller spills may be soaked up with absorbent materials, which should be placed in closed containers, labeled, and stored in a safe place out of doors to await proper disposal. Persons performing this work should wear adequate personal protective equipment and clothing.



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Neutralizing Chemicals

None

WASTE DISPOSAL

Dispose of in accordance with all federal, state, and local health and pollution regulations. HUB-TRI is normally recovered from residues by distillation. Small quantities may be disposed of via an incineration scrubber system or a licensed waste hauler. If regulations permit, wet absorbent materials may be air dried in a safe, open, unoccupied area.

WARRANTY

THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.