

Technical Bulletin

JEFFCAT[®] H-1 Amine Catalyst

JEFFCAT[®] H-1 Amine Catalyst is designed to have good stability with next generation Hydrofluoroolefin (HFO) blowing agents, such as trans-1-chloro-3,3,3-trifluoropropene, and to provide a balanced blowing / gelling catalytic potency for both rigid and flexible foam applications at various density ranges.

APPLICATIONS

- Amine catalyst in various polyurethane applications

SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance	Clear amber liquid, substantially free of foreign matter	ST-30.1
Color, Gardner	18 max.	ST-30.13
Hydroxyl Number, mg KOH/g	325 – 352	ST-31.39
Total Amine, meq/g	7.2 – 8.0	ST-5.22
Water, wt%	1.0 max.	ST-31.53, 6

*Methods of Test are available from Huntsman Corporation upon request.

ADDITIONAL INFORMATION

Regulatory Information

See SDS for all regulatory information.

Shelf Life

The product should retain its conformance to sales specifications for a period of at least two years from date of manufacture if the product is stored at less than 100°F in its undamaged, unopened, factory-packaged container.

In general, the user should determine the suitability of any chemical compound, no matter what the shelf life or length of time of storage. Each user should conduct a sufficient investigation to establish the suitability of any product for the intended use.

Typical Properties

Flash point, PMCC, °F (°C)	248 (120)
Density, g/ml, 25°C (77°F)	1.05
Density, lb/US gal, 25°C (77°F)	8.75
Viscosity, cP, 25°C (77°F)	14



Enriching lives through innovation

TOXICITY AND SAFETY

For information on the toxicity and safe handling of this product, consult the Safety Data Sheet prior to use of this product.

HANDLING AND STORAGE

For detailed information on the storage and handling of JEFFCAT[®] H-1 amine catalyst, see our bulletin on "Storage and Handling of JEFFCAT[®] Catalysts."

AVAILABILITY

Product is available in bulk and in drums of 452 pounds (205 kilograms) net weight. Small samples can be obtained by contacting the local Huntsman Performance Products sales office.

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Warning: Polyurethane products manufactured from these chemicals may present a fire hazard if improperly used. Each manufacturer and user of such products should determine whether there are potential hazards in a specific application and take the necessary precautions.

Huntsman Corporation warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, HUNTSMAN MAKES NO WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHT OF ANY THIRD PARTY, OR WARRANTIES AS TO QUALITY OR CORRESPONDENCE WITH PRIOR DESCRIPTION OR SAMPLE, AND ANY USER OF PRODUCTS DESCRIBED HEREIN SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE AND ASSUMES ALL RISK AND LIABILITY WHATSOEVER RESULTING FROM THE USE OF SUCH PRODUCT, WHETHER USED SINGLY OR IN COMBINATION WITH OTHER SUBSTANCES. Products may be toxic and require special precautions in handling. For all products described herein, the user should obtain detailed information on toxicity, together with proper shipping, handling, and storage procedures, and should comply with all applicable safety and environmental standards. The behavior, hazards and/or toxicity of the products referred to in this publication in manufacturing processes and their suitability in any given end-use environment are dependent upon various conditions such as chemical compatibility, temperature, and other variables, which may not be known to Huntsman. It is the sole responsibility of the user of such products to evaluate the manufacturing circumstances and the final products under actual end-use requirements and to adequately advise and warn future purchasers and users thereof.

Main Offices US: Huntsman Corporation / 10003 Woodloch Forest Drive / The Woodlands, Texas 77380 / 281-719-6000

Technical Service US: 8600 Gosling Road / The Woodlands, Texas 77381 / 281-719-7780

Main Offices Europe: Huntsman Belgium BVBA / Everslaan 45 / B-3078 Everberg, Belgium / 32-2 -758-9211

Technical Service Europe: Technical Services Representative / Everberg Office /

Main Offices Asia Pacific: Huntsman Singapore PTE / 150 Beach Road #37-00 Gateway West / Singapore 189720 / 65 6297 3363

Technical Service Asia Pacific: Huntsman Chemistry R&D Center (Shanghai) Co. Ltd. / 479 Wen Jing Road, Min Hang Economic & Technological Development Zone / Shanghai 200245, P R China / 86-21-3357-2609

www.huntsman.com