

Technical Bulletin**JEFFLINK[®] 754 Diamine**

JEFFLINK[®] 754 diamine is a new cycloaliphatic, bis(secondary amine), that may be useful in applications where a slower reaction of amines is desirable.

APPLICATIONS

- Chain extender for light-stable, aliphatic polyurea systems

BENEFITS

- Low viscosity liquid
- Controlled reactivity with isocyanates
- Compatible with polyoxyalkyleneamines
- Moisture insensitive
- Low equivalent weight

SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance	Clear and free	ST-30.1
Color, Pt-Co	100 max.	ST-30.12
Primary amine, meq/g	0.25 max.	ST-5.34
Total amine, meq/g	7.55 - 8.10	ST-5.22
Water, wt. %	0.15 max.	ST-31.53, 6
4-Methyl-2-Pentanol	0.25 max.	ST-35.254

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

ADDITIONAL INFORMATION**Regulatory Information**

DOT/TDG Classification	Amines, liquid, corrosive, N.O.S. (alicyclic amine)
HMIS Code	3-1-0
WHMIS Classification	D2B, E

Chemical Control Laws

Canada, DSL	Not determined
United States, TSCA	Listed

Typical Properties

Amine equivalent weight	127
Appearance	Clear, colorless, liquid
Boiling point, °C (°F)	276-278
Color, Pt-Co	< 50
Density, 20°C (68°F), g/mL	0.858
25°C (77°F), g/mL	0.855
Density, 20°C (68°F), lb/gal	7.166
25°C (77°F), lb/gal	7.136
Flash Point, PMCC, °C (°F)	104 (219)
pH	12.5
Primary amine, meq/g	0.1
Specific gravity, 20/4°C	0.86
Total amine, meq/g	7.8
Vapor pressure, mmHg	0.08
Viscosity, cSt, 40°C (104°F)	8
Water solubility, g/L, 20°C (68°F)	4.1

TOXICITY AND SAFETY

JEFFLINK[®] 754 diamine should be considered hazardous, having the potential to cause burns to the skin and eyes and toxic effects by absorption through the skin or by swallowing. Chemical-type goggles with face shield and impervious gloves must be worn when handling this product. When handling large quantities subject to splashes and spills, impervious suits and rubber boots must also be worn.

Should accidental contact occur, flush the eyes thoroughly with water for at least 15 minutes and get immediate medical attention. In case of skin contact, immediately wash the exposed area with soap and plenty of water. If drenched, remove any contaminated clothing under a safety shower. Wash clothing before further use.

In normal operations, the vapor pressure of this product is sufficiently low, such that significant concentrations would not be present in the work-place atmosphere. However, supplied air respiratory protection is recommended for cleaning up large spills, or for entry into confined spaces.

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

AVAILABILITY

JEFFLINK 754 diamine is available in research samples, 5-gallon cans and 55-gallon drums of 370 pounds net weight. Larger quantities and bulk shipments are available with sufficient lead time. Samples are available by contacting our sample department at 1-800-662-0924.

**Huntsman Corporation
Business Offices**
10003 Woodloch Forest Dr.
The Woodlands, TX 77380
(281) 719-6000

**Huntsman Advanced Technology
Center
Technical Service**
8600 Gosling Rd.
The Woodlands, TX 77381
(281) 719-7780

Samples 1-800-662-0924

www.huntsman.com

5119-0312

Copyright © 2007, 2008, 2011, 2012 Huntsman Corporation or an affiliate thereof. All rights reserved.
JEFFLINK[®] is a registered trademark of Huntsman Corporation or an affiliate thereof in one or more, but not all countries.

Huntsman Corporation warrants only that its products meet the specifications stated herein. 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. Product(s) described in this publication may be hazardous and/or toxic and require special precautions in handling. For all product(s) described herein, the user should obtain from Huntsman detailed information on hazards and/or 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 product(s) 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 product(s) to evaluate the manufacturing circumstances and the final product(s) under actual end-use requirements and to adequately advise and warn future purchasers and users thereof.