



HA-International Amine Recycling Program





HARP is a program delivering sustainability through recycling amines as well as providing performance and value to our customers.

## *HAI's Improved Program to dispose of Scrubber Solution created in Phenolic Urethane Cold Box processing*

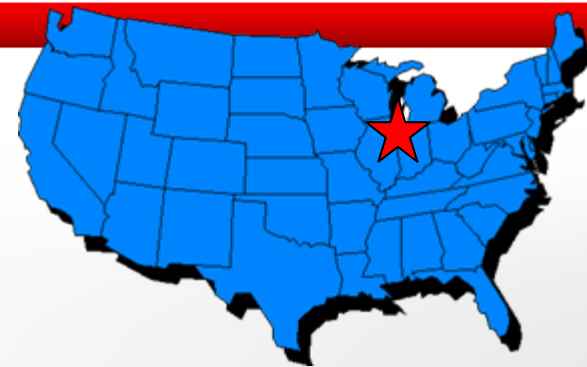
- ✓ **Three amines**, TEA (Sigma Cat 2185), DMIPA (Sigma Cat 2190) and DMEA (Sigma Cat 2195), can be reclaimed at a single location.
- ✓ **Special pricing** incentives for purchased amines.
- ✓ **An ecologically responsible option** - HA-International supports minimizing the foundry's environmental impact. This is the basis of our EcoMission™ program.



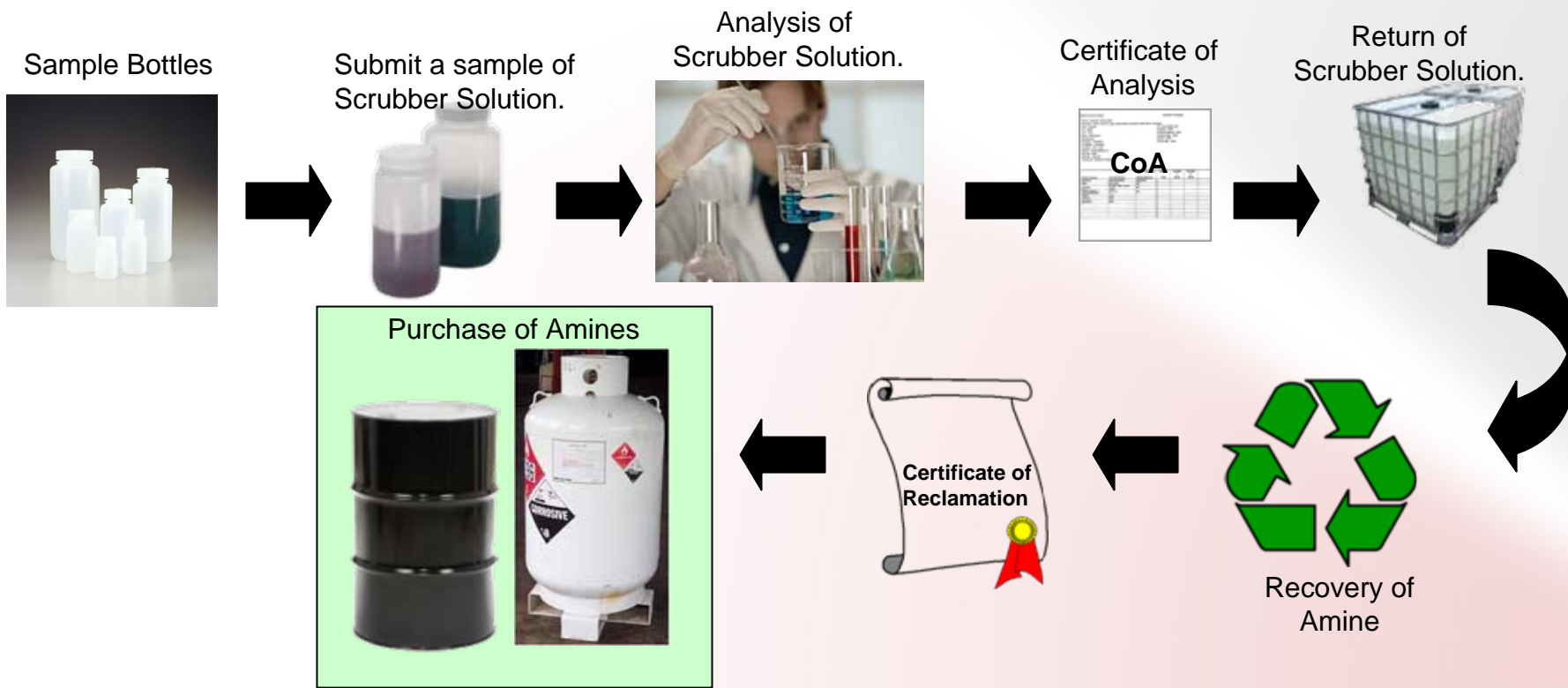
# Highlight of Benefits

**HARP**

**CTS** CHEMTECH SERVICES, INC.



Single source for reclamation of amine scrubber solution and distribution of packaged amines.



# Pricing Discounts Purchased Amines



Product Name	Cylinder Price Reduction*	Drum Price Reduction*
Sigma Cat 2185 TEA	\$0.03/lb	Not available
Sigma Cat 2190 DMIPA	\$0.10/lb	\$0.05/lb
Sigma Cat 2195 DMEA	\$0.05/lb	\$0.03/lb

Eligibility for discounted amine prices is based on active participation on a revolving 90 day period. Participation is based on submission of scrubber solution for reclamation.

\* Reduction is based off Customer's current pricing. New customers will receive the discount from HAI's quotation.

## HARP

Located in  
HA International's  
customer portal

- ✓ Request supplies (empty sample bottles and empty totes)
- ✓ Receive email notifications
- ✓ Track Amine Recovery
- ✓ Print shipping documents & MSDS
- ✓ Download Certificate of Analysis and Certificate of Reclamation

Your Industry Resource For Foundry Resins,  
Resin Coated Sands and Refractory Coatings.

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## Amine Recovery Program

### Amine Recovery Requests

[Request A New Recovery](#)

	Requested On	Amine Type	# of Totes	Status
	Jul 27, 2011	DMIPA		Sample Denied
	Jul 27, 2011	TEA		Sample Approved
	Jul 27, 2011	DMEA		Solution Sent
	Jul 28, 2011	DMIPA		Solution Received
	Jul 28, 2011	DMEA		Recovery Complete
	Jul 28, 2011	DMEA		Sample Received
	Aug 01, 2011	DMIPA		Recovery Complete

### Bottle & Tote Requests

[Request More Bottles/Totes](#)

	Requested On	# of Bottles	# of Totes	Shipped Out On
	Jul 28, 2011	5	8	Jul 28, 2011
	Aug 01, 2011	5	6	Aug 01, 2011

## HARP

- ✓ Up to \$.10/lb discount on packaged amines.
- ✓ Single source for reclamation of amine scrubber solution and distribution of purchased amines.
- ✓ Central Midwest location providing the best freight opportunities for the majority of foundries.
- ✓ Online HARP Tracker program allows for ease of use when ordering supplies as well as tracking samples and status of reclamation process.
- ✓ Empty Totes and Empty Sample Bottles provided free of charge.

(Customer pays freight on returned scrubber solution)



- ✓ Click on the HARP logo on the HA-International website and fill out and submit the required information.
- ✓ Confirmation and HARP login credentials will be sent via email.
- ✓ Contact from a sales representative will be made to discuss HARP and set up the qualifying packaged amine discount.

## HARP

- ✓ Detailed instructions on using the Amine Tracker as well as on the overall program can also be found in the HARP Customer Information Guide available on our website: [www.ha-international.com](http://www.ha-international.com)

- OR -

- ✓ Contact Sara Hutchinson, Marketing Specialist  
[sara.hutchinson@ha-international.com](mailto:sara.hutchinson@ha-international.com), 630-575-5762

Kevin Zaras, Resins Product Manager  
[kevin.zaras@ha-international.com](mailto:kevin.zaras@ha-international.com) , 630-575-5715

- OR -

- ✓ Contact your HAI Representative for more details.