

## Access to Over 220,000 Spectra

### All the infrared data you've always wanted from the Leader in IR Informatics.

With HaveltAll® IR, chemists can access the world's largest infrared spectral collection of over 220,000 spectra of pure organic and commercial compounds all from one CD or via a secure web connection. And because it's Bio-Rad data, users can be assured that it is high-quality. Combined with a choice of annual license or transactional pricing, HaveltAll IR has revolutionized the way infrared spectra are searched.

### Solutions for all those who deal with infrared.

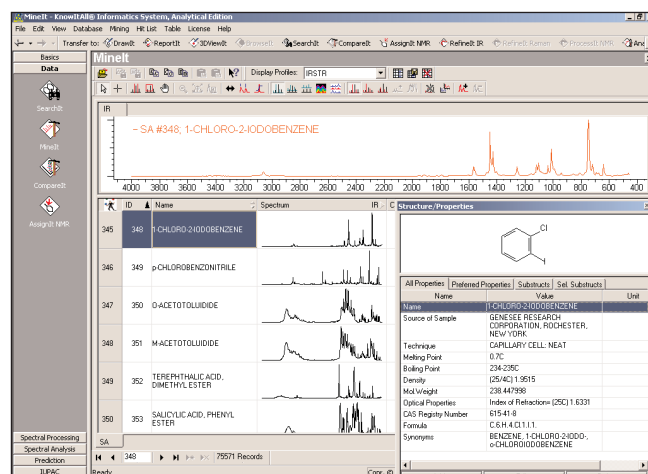
HaveltAll IR is extremely useful when trying to identify or classify unknown spectra. Whether the need is to access polymers, pure organics, inorganics, organometallics, or industrial compounds within application areas such as pharmaceuticals, forensics, material sciences, and academia, users can be sure that this collection will meet their needs. HaveltAll IR also includes Near IR databases, spectra from analytical techniques such as vapor phase and ATR, and three databases with direct links to the *NIOSH Pocket Guide to*

## The Highest-Quality Infrared Data Available

Bio-Rad offers the highest quality data on the market. That is because all of the HaveltAll IR data has been processed according to the Sadtler Data Review Protocol to provide the highest standard available in spectral data today. These rigorous qualifying procedures start at data acquisition and continue throughout the database development process.

Every effort is made to maintain our protocol's high standard of accuracy before placing a spectrum in a collection. This data is tested in our laboratories by certified professionals with extensive training in spectroscopy and validated by outside consultants. Our databases include the following features:

- Chemical and Physical Properties Listed
- Chemical Structures Included
- Chemical Composition Defined
- Sampling Technique Listed
- Databases Created Specifically for Searching



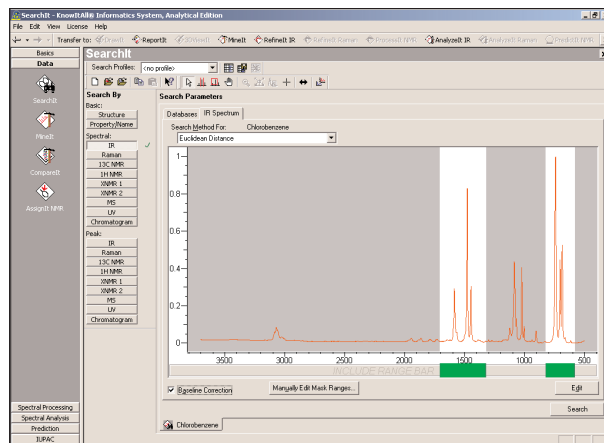
The HaveltAll IR data subscription works within the KnowItAll Informatics System, creating the largest collection of data and state-of-the-art tools for infrared. This system is modular and customizable so users can easily transfer information from application to application without having to leave the main interface—without having to open another program!

So now researchers can have it all and know it all in one place—search and access reference spectra, build databases\* with spectra and property information, cross-reference IR data to other data, such as CNMR, HNMR, UV/Vis, GC, MS, Raman, and Near IR, and generate high-quality reports. See the KnowItAll Informatics System edition brochures or visit [knowitall.com](http://knowitall.com) for more details on the KnowItAll software environment.

## For those who search often...unlimited access.

Bio-Rad's HaveltAll IR subscription offers unlimited access to over 220,000 spectra for one year. This annual license allows researchers to use the full power of the KnowItAll Informatics System's search algorithms to not only perform exact identifications, but also to classify and characterize unknown materials when an exact chemical match does not appear in the database. Peak searching and substructure searching, combined with limited-range spectral searching can aid in the identification of spectral regions that correlate the unknown material with known reference materials. Or one can perform a text search for a specific classes of compounds.

## For those who search occasionally, inquire about our hit list key option.



### HaveltAll® IR Includes the Following Databases:

Adhesives and Sealants	Lubricant Additives
Adhesives and Sealants (Subset A)	Lubricants
ATR of Polymers	Merck/Sadtler
Automobile Paint Chips	Minerals and Clays
Basic Monomers and Polymers, Vol. I (Unmodified)	Monomers and Polymers (Comprehensive)
Basic Monomers and Polymers, Vol. II (Unmodified)	Monomers and Polymers Vol. 1 (Modified)
Basic Surfactants	Monomers and Polymers Vol. 2 (Modified)
Coating Chemicals	Near IR Spectra Collection of Common Organic Compounds
Commonly Abused Drugs (Acid-Base)	NIOSH Pocket Guide for Chemical Hazards (ATR, IR & VP)
Condensed Phase IR Standards	Organometallics
Controlled Pyrolyzates of Polymers	Organosilicons
Demo Database	Pesticides and Agricultural Chemicals
Dyes	Petroleum Chemicals
Dyes, Pigment and Stains	Pharmaceuticals
Electric Power Plant Materials	Plasticizers
Epoxy Resins, Curing Agents and Additives	Polymer Additives
Fats, Waxes and Derivatives	Polyols
Fibers and Textile Chemicals	Prepared and Prescription Drugs
Fibers by Microscope	Priority Pollutants
Flame Retardants	Rubber Chemicals
Flavors, Fragrances and Oils	Sadtler EPA Vapor Phase
Food Additives	Sadtler Reference Database of Pure Organic Compounds
Gases and Vapors	Sadtler J Scholl Polymer Processing Chemicals
Georgia State Crime Lab	Select Standards
Hummel Defined Polymers	Select Vapor Phase
Hummel Defined Polymers, Basic Collection	Selected IR Reference Database
Hummel Industrial Polymers	Solvents (Industrial Quality)
Hummel Industrial Polymers, Polymers	Solvents (Unblended)
Hummel Industrial Polymers, Monomers	Solvents by ATR
Hummel Industrial Polymers, Additives	Solvents by Vapor Phase
Hummel Surfactants	Steroids
Hummel/Sadtler Polymers	Surfactants (Comprehensive)
Industrial Chemicals, FT-IR, Basic Organic Compounds	Surfactants, Vol. 1
Industrial Chemicals, FT-IR, Pure Organic Compounds	Surfactants, Vol. 2
Inorganics	Tutorial Database
Inorganics, Subset A Intermediates (Industrial Quality)	University Standards
Intermediates (Unblended)	Vapor Phase IR Standards (Comprehensive)
	Water Treatment Chemicals

HaveltAll IR also includes direct links to the *NIOSH Pocket Guide to Chemical Hazards* from the National Institute for Occupational Safety and Health of the United States Centers for Disease Control and Prevention.

Requires the KnowItAll Informatics System.

\*Requires the KnowItAll Database Building option.

**Minimum System Recommendations:** For a current list of minimum system requirements including operating system, processor, RAM, disk space, please visit [www.knowitall.com/minimum\\_system](http://www.knowitall.com/minimum_system)



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