



Key Facts

# INTRODUCING CM.CHEMICALS – LCA DATABASE

## KEY FACTS

1000+ products in up to **190 regions**

Suitable for ISO 14040/14044 compliant LCA studies

Single source of data, consistent methodology

## CM.CHEMICALS – HIGHLY REGIONALIZED LCA DATA FOR CHEMICALS AND PLASTICS

**cm.chemicals** life-cycle data is a new, large-scale life-cycle inventory (LCI) data set for the environmental assessment of chemicals and plastics. Backed by a consistent methodology, cm.chemicals covers 1000+ products in up to 190 geographical regions. It's a one-stop source data source for ISO 14040/14044 compliant LCA studies.

### Why choose **cm.chemicals**?



#### INCREASED AVAILABILITY OF LIFE-CYCLE DATA FOR CHEMICALS AND PLASTICS

Get climate impact data for 1000 major chemicals and plastics in up to 190 regions – all in one single database. There's no need to mix chemical LCI databases from different sources, so you can make fair comparisons and avoid inconsistencies.



#### ISO READY DATA FROM A CONSISTENT METHODOLOGY

You can use our data in compliance with ISO standards 14040 and 14044 for LCA. And all the data at your disposal comes from one consistent methodology. With consistent data in an ISO compliant study, you lay a solid foundation for credible LCA results.



#### HIGHLY REGIONALIZED LCA DATA

For any of the 1000+ products in our database, our data covers every region where the chemical is produced or imported. With this degree of regionalization, you can get highly specific, relevant data for your chemical and plastics LCAs.

## GET DATA PACKAGES – 78 PRODUCTS



### BASIC

- ✓ 78 products
- ✓ Production and consumption mixes
- ✓ Regions: China, USA, Europe (Germany, Netherlands, Belgium and EU-27-average) + Global average



### TECHNOLOGY INSIGHTS

- ✓ 78 products
- ✓ Production and consumption mixes + **major production technologies**
- ✓ Regions: China, USA, Europe (Germany, Netherlands, Belgium and EU-27-average) + Global average



### GLOBAL INSIGHTS

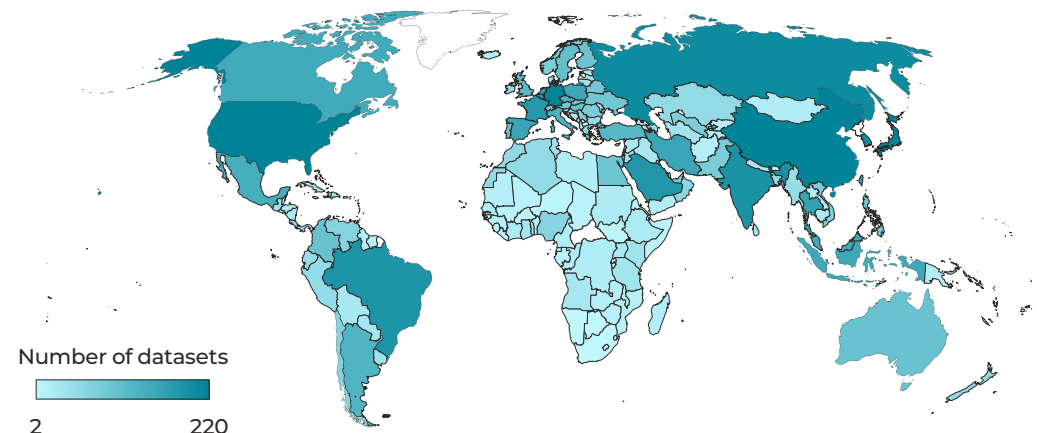
- ✓ 78 products
- ✓ Production and consumption mixes + **major production technologies**
- ✓ **All available regions** – includes all regions in our database + EU-27 average + Global average

## GET DATA-ON-DEMAND – 1000+ PRODUCTS

Data for up to 1000 chemicals and plastics is available on demand. Contact us to explore your options.

[Request a demo](#)

## NUMBER OF DATASETS BY REGION – IN GLOBAL INSIGHTS PACKAGE



## CHEMICALS AND PLASTICS IN CM.CHEMICALS DATA PACKAGES

These **78 products** represent 75% of global GHG emissions from plastics and chemicals. They are all included in the Basic, Technology Insights and Global Insights packages.

### ORGANIC CHEMICALS

#### ETHYLENE-BASED CHEMICALS

ETHYLENE  
ETHYLENE OXIDE  
MONOETHANOLAMINE  
DIETHANOLAMINE  
TRIETHANOLAMINE  
ETHYLENE GLYCOL  
DIETHYLENE GLYCOL  
ETHYLENE DICHLORIDE  
VINYL CHLORIDE  
ACETALDEHYDE  
BUTENE-1 (FROM DIM.)  
HEXENE-1  
OCTENE-1  
DECENE-1

### ORGANIC CHEMICALS

#### BENZENE-BASED CHEMICALS

BENZENE  
ETHYLBENZENE  
STYRENE  
ANILINE  
METHYLENE DIPHENYL  
DIISOCYANATE  
CUMENE  
PHENOL  
ACETONE  
BISPHENOL A  
MALEIC ANHYDRIDE  
CHLOROBENZENE  
O-DICHLOROBENZENE  
P-DICHLOROBENZENE  
ADIPIC ACID  
CAPROLACTAM  
NITROBENZENE

### ORGANIC CHEMICALS

#### PROPYLENE-BASED CHEMICALS

PROPYLENE  
PROPYLENE OXIDE  
PROPYLENE GLYCOL  
DIPROPYLENE GLYCOL  
TRIPROPYLENE GLYCOL  
PROPYLENE DICHLORIDE  
EPICHLOROHYDRIN  
ACRYLONITRILE  
ACRYLIC ACID (ESTER-GRADE)  
ETHYL ACRYLATE  
2-ETHYLHEXYL ACRYLATE  
N-BUTYL ACRYLATE  
ISOPROPANOL  
2-ETHYLHEXANOL  
N-BUTANOL  
ISOBUTANOL

### ORGANIC CHEMICALS

#### TOLUENE-BASED CHEMICALS

TOLUENE  
TOLUENE DIISOCYANATE

#### XYLENE-BASED CHEMICALS

MIXED XYLENES  
O-XYLENE  
PHTHALIC ANHYDRIDE  
P-XYLENE  
DIMETHYL TEREPHTHALATE  
TEREPHTHALIC ACID

#### OTHER ORGANIC CHEMICALS

PYROLYSIS GASOLINE  
SYNTHESIS GAS (2:1)  
HYDROGEN

### ORGANIC CHEMICALS

#### C4-BASED CHEMICALS

C4 FRACTION  
T-BUTANOL  
BUTADIENE  
HEXAMETHYLENEDIAMINE

#### METHANOL-BASED CHEMICALS

METHANOL  
1,4-BUTANEDIOL  
METHYL ACRYLATE  
METHYL METHACRYLATE  
ACETIC ACID  
VINYL ACETATE

### INORGANIC CHEMICALS

AMMONIA (NO CAPTURE)  
CAUSTIC SODA (50%)  
CHLORINE

### PLASTICS

POLYETHYLENE (HD)  
POLYETHYLENE (LD)  
POLYETHYLENE (LLD)  
POLYVINYL CHLORIDE  
PET PELLETS (IV=0.6)  
POLYPROPYLENE  
POLYSTYRENE (GENERAL PURPOSE)  
POLYSTYRENE (HIGH IMPACT)

**1000+ PRODUCTS  
ON DEMAND**

#### CAN'T SEE YOUR CHEMICALS?

Data on **other products and supplier-specific data** are all available on demand.

**Request a demo**

 [info@carbon-minds.com](mailto:info@carbon-minds.com)

