

IC2/BizNGO Webinar: The Chemical Hazard Data Commons

2018-04-18

INTERSTATE CHEMICALS



CLEARINGHOUSE



BizNGO

FOR SAFER CHEMICALS &
SUSTAINABLE MATERIALS

Webinar Logistics

- This webinar is being recorded
- Q&A following the presentations (final 10 – 15 minutes)
- Attendee lines muted during presentation; I will unmute for Q&A
- You may also submit questions using GoToWebinar's questions interface at any time
- Webinar slides will be posted on <http://theic2.org/events>
- Your feedback is important! Please take the post-webinar survey

Today's Presenters

- Shari Franjevic, GreenScreen Program Manager, Clean Production Action
- Michel Dedeo, Chemist, Healthy Building Network
- Tom Lent, Policy Director, Healthy Building Network
- Topher Buck, IC2 Project Manager, Northeast Waste Management Officials' Association (NEWMOA)

The IC2 Training Workgroup continues to plan additional webinars intended to inform and engage. Let us know if you have ideas for future webinar topics or presenters.

Please give us your feedback through the post-webinar survey.

About the IC2

The Interstate Chemicals Clearinghouse (IC2) is an association of state, local, and tribal governments that promotes a clean environment, healthy communities, and a vital economy through the development and use of safer chemicals and products.

IC2 Goals

- Avoid duplication and enhance efficiency and effectiveness of agency initiatives on chemicals through collaboration and coordination
- Build governmental capacity to identify and promote safer chemicals and products
- Ensure that agencies, businesses, and the public have ready access to high quality and authoritative chemicals data, information, and assessment methods

IC2 Functions

- Supporting health and environmental agencies with development and implementation of programs to promote use of safer chemicals and products
- Supporting the development of alternatives assessment methods and identification of safer alternatives
- Sharing data and information on use, hazard, exposure, and alternatives
- Sharing strategies and outcomes on chemicals prioritization initiatives
- Building the capacity of agencies by sharing materials, strategies, and trainings
- Assisting agencies in meeting the relevant information needs of businesses, consumers, and the public

The IC2 is interested in

- Promoting transparency of product ingredients, chemical identities, and chemical attributes (e.g., hazard and fate)
- Promoting the Data Commons as an open, shared resource for information on chemical hazard assessment

Hazard evaluation of "hydrocarbon" solvents

DF-2000:

CAS# 64742-48-9

Pharos Building Products Chemicals and Materials Certifications CompAIR Dashboard Logout

Dashboard / Chemicals and Materials / [64742-48-9] HYDROTREATED HEAVY NAPHTHA (PETROLEUM)

[64742-48-9] HYDROTREATED HEAVY NAPHTHA (PETROLEUM)

General Information **Hazards** Compound Groups Process Chemistry Research GreenScreen C2C

Direct Hazards:

- PBT** EC - CEPA DSL - Persistent, Bioaccumulative and inherently Toxic (PBITE) to the Environment (based on aquatic organisms) +1
 - EC - CEPA DSL - Persistent, Bioaccumulative and inherently Toxic (PBITH) to humans
- CANCER** EU - Annex VI CMRs - Carcinogen Category 1B - Presumed Carcinogen based on animal evidence +3
 - EU - GHS (H-Statements) - H350 - May cause cancer
 - EU - REACH Annex XVII CMRs - Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
 - Australia - GHS - H350 - May cause cancer
- GENE MUTATION** EU - Annex VI CMRs - Mutagen - Category 1B +3
 - EU - GHS (H-Statements) - H340 - May cause genetic defects
 - EU - REACH Annex XVII CMRs - Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
 - Australia - GHS - H340 - May cause genetic defects
- BIOACCUMULATIVE** EC - CEPA DSL - Bioaccumulative
- PERSISTENT** EC - CEPA DSL - Persistent
- MAMMALIAN** EU - GHS (H-Statements) - H304 - May be fatal if swallowed and enters airways +1
- FLAMMABLE** Québec CSST - WHMIS 1988 - Class B3 - Combustible liquids
- RESTRICTED LIST** C2C Certified™ - v4 RSL (DRAFT) - Children's Products +5
- MULTIPLE** ChemSec - SIN List - CMR - Carcinogen, Mutagen &/or Reproductive Toxicant +3



Classifying products: CAS# vs. EC#



- CAS#
 - Non-specific
 - May reflect feedstock, *not product*
- EC#
 - Designed by API for EU REACH
 - Specific to final product
 - EC# 920-901-0 = Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Thank you.



GreenScreen for Safer Chemicals

Shari Franjevic, GreenScreen Program Manager
Clean Production Action

April 18, 2018



Clean Production Action



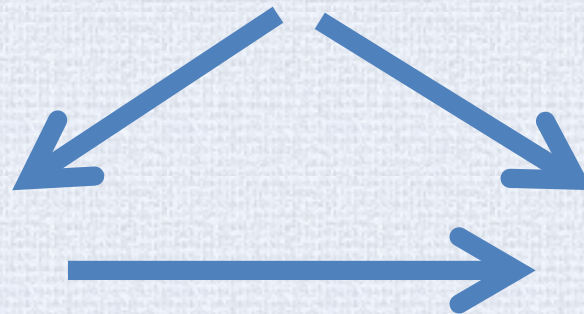
Together, we're creating a safer and healthier future

and healthier future
Together, we're creating a safer



GreenScreen Hazard Assessment Tools

2007





GreenScreen® for Safer Chemicals

Hazard assessment method to identify chemicals of concern and safer alternatives.

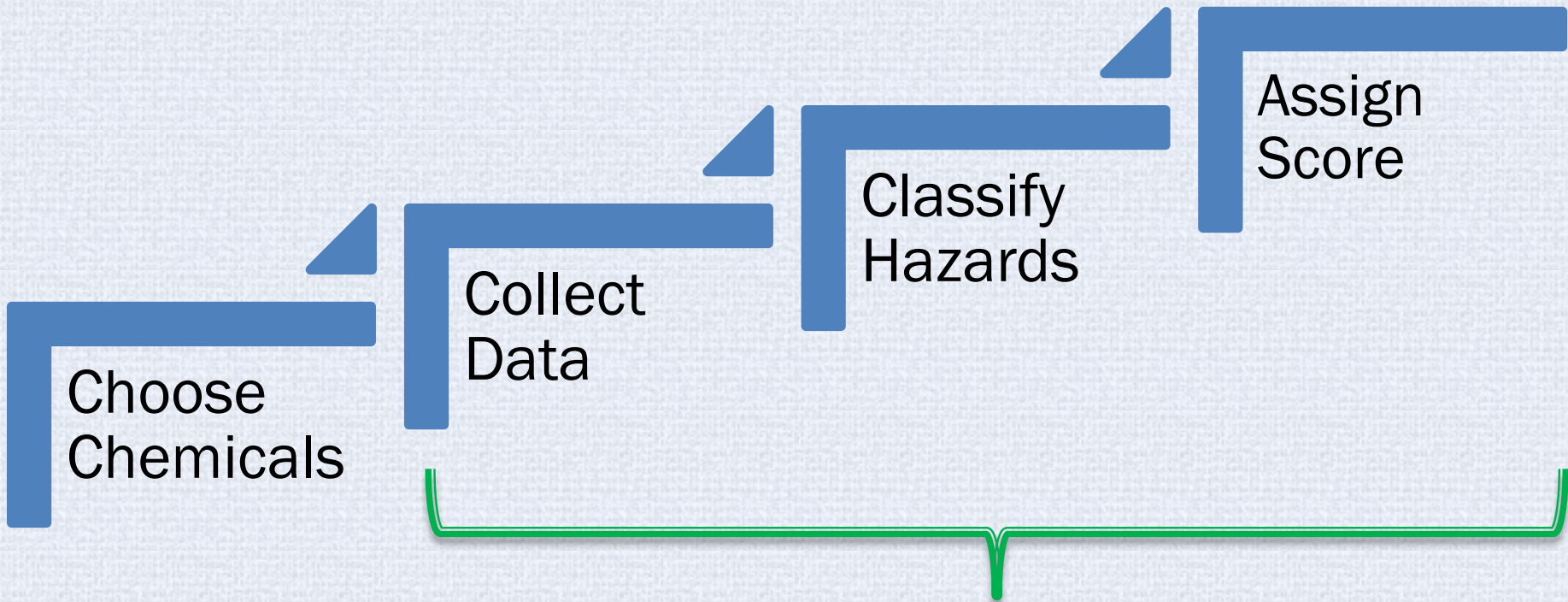
- Transparent method
- Hazard-based
- Comprehensive
- Scientifically robust
- Developed by independent NGO

Download methodology:

<https://www.greenscreenchemicals.org/method/method-documents>



GreenScreen Assessment



Can hire Licensed GreenScreen Profiler to do this!



GreenScreen Hazard Endpoints

Human Health Group I	Human Health Group II and II*	Environmental Toxicity & Fate	Physical Hazards
Carcinogenicity	Acute Toxicity	Acute Aquatic Toxicity	Reactivity
Mutagenicity & Genotoxicity	Systemic Toxicity & Organ Effects	Chronic Aquatic Toxicity	Flammability
Reproductive Toxicity	Neurotoxicity	<i>Other Ecotoxicity studies when available</i>	
Developmental Toxicity	Skin Sensitization	Persistence	
	Respiratory Sensitization		
Endocrine Activity	Skin Irritation	Bioaccumulation	
	Eye Irritation		

Each Hazard Endpoint has criteria to assign a hazard level (i.e., High, Moderate, or Low)



GreenScreen Hazard Criteria

Carcinogenicity Hazard Criteria Excerpt:

Information type	Information Source	List Type	High (H)	Moderate (M)	Low (L)
Data	GHS Category & Guidance	N/A	1A (Known) or 1B (Presumed) for any route of exposure	2 (Suspected) for any route of exposure or limited or marginal evidence of carcinogenicity in animals	Adequate data available, and negative studies, no structural alerts, and GHS not classified.
List (*Sample included here)	US EPA – IRIS Carcinogens (1986)	Authoritative	Group A, B1 or B2	Group C	Group E
	IARC	Authoritative	Group 1 or 2A	Group 2B	Group 4
	CA EPA - Prop 65	Authoritative	Carcinogen		



GreenScreen Hazard Summary Table

Group I Human					Group II and II* Human							Ecotox		Fate		Physical			
Carcinogenicity	Mutagenicity	Reproductive Toxicity	Developmental Toxicity	Endocrine Activity	Acute Toxicity	Systemic Toxicity		Neurotoxicity	Skin Sensitization*	Respiratory Sensitization*	Skin Irritation	Eye Irritation	Acute Aquatic Toxicity	Chronic Aquatic Toxicity	Persistence	Bioaccumulation	Reactivity	Flammability	
						single	repeated*												single
<i>L</i>	<i>L</i>	<i>L</i>	M	<i>M</i>	<i>L</i>	<i>L</i>	<i>L</i>	vH	H	<i>L</i>	DG	<i>L</i>	<i>L</i>	H	H	<i>vL</i>	<i>L</i>	M	<i>L</i>

1. Hazard Classification

- vH = very High
- H = High
- M = Moderate
- L = Low
- vL = very Low
- DG = Data Gap

2. Level of Confidence:

- **Bold** = High confidence
- *Italics* = Low confidence



GreenScreen Benchmark Scores

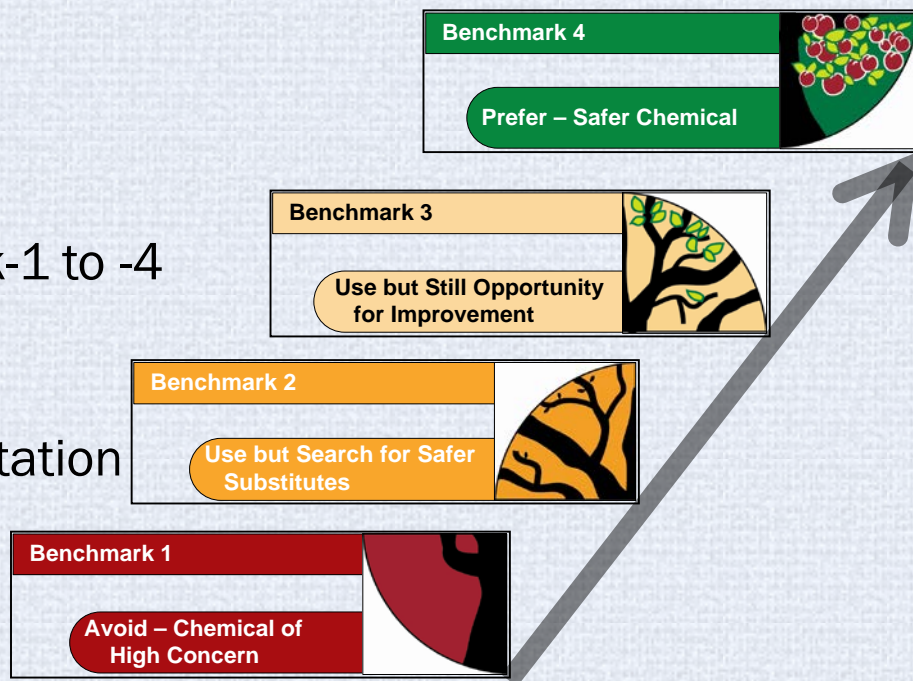
Standard metric and communication for chemical hazard

1. Simple:

- Integer Score from Benchmark-1 to -4

2. Comprehensive:

- Transparent, detailed documentation





Chemicals of High Concern



- **CMRs =**
 - Carcinogens,
 - Mutagens, or
 - Reproductive / Developmental Toxicants
- **PBTs =**
 - Persistent, and
 - Bioaccumulative, and
 - Toxic
- **Equivalent Concern =**
 - Endocrine Disruptors



GreenScreen Public Access Providers

<https://www.greenscreenchemicals.org/professionals/public-access-providers>

1. Assessments authored by Licensed Profilers – Contact Profiler
2. Databases with freely available public assessments
 - [GreenScreen Store](#)
 - [Pharos](#) or [Chemical Hazard Data Commons](#)
 - [Toxnot PBC](#)
 - [Interstate Chemicals Clearinghouse](#)

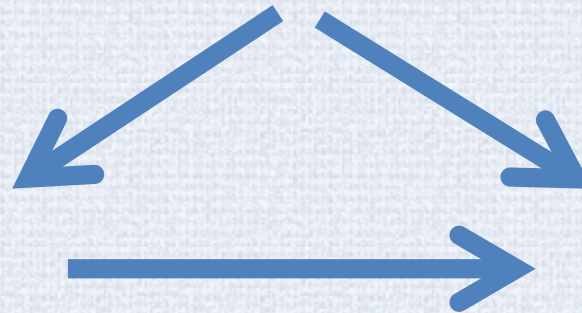


GreenScreen Hazard Assessment Tools



2012

2017



<https://www.greenscreenchemicals.org/certified>



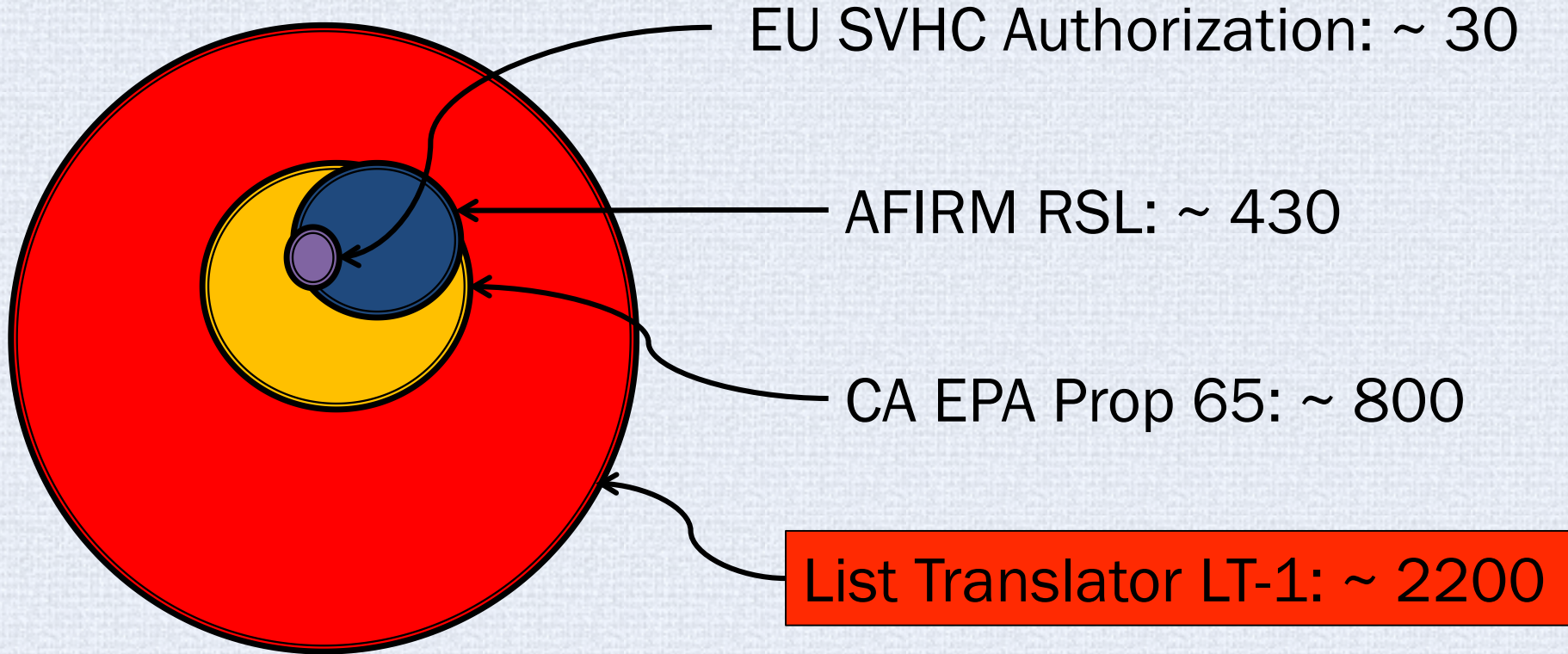
GreenScreen® List Translator™

Screening tool designed to quickly identify chemicals of high concern.

- 1) Transparent scientific criteria
- 2) Aligned with authoritative scientific bodies and regulatory precedent
- 3) Comprehensive list
- 4) Automated and Scalable

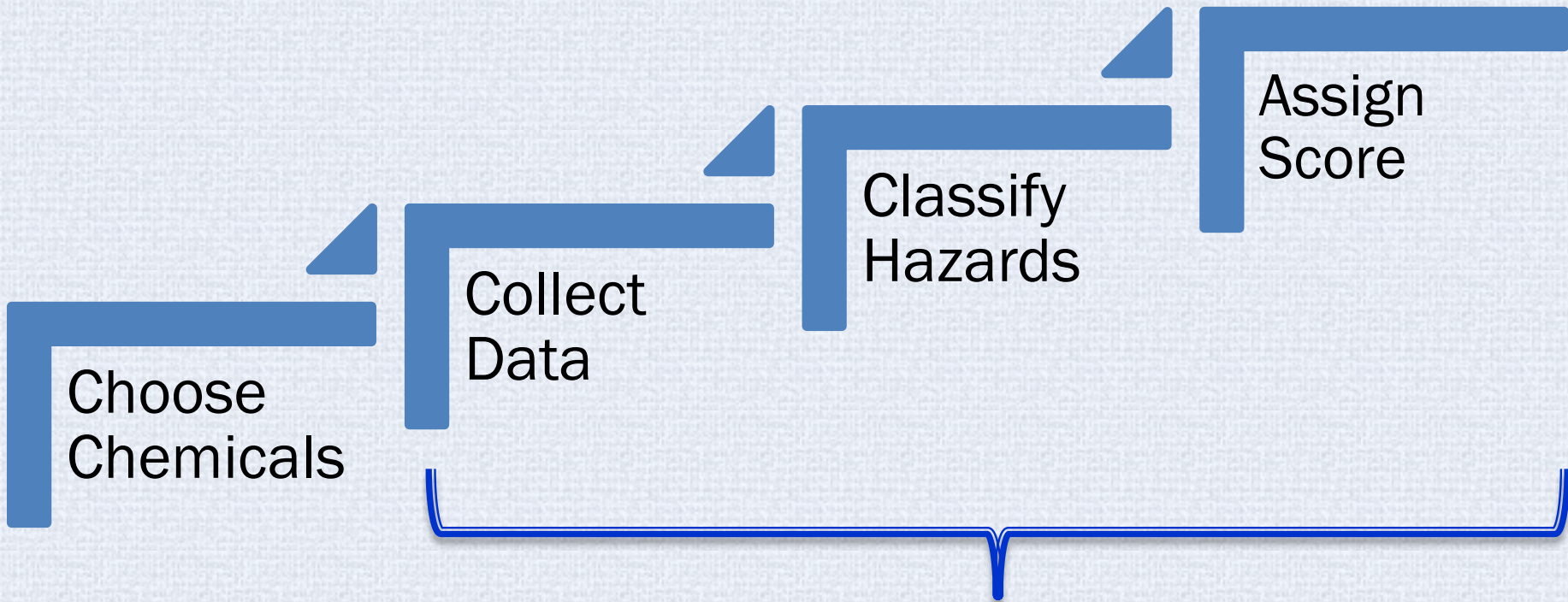


Comprehensive





GreenScreen List Translator Screening



**Our software partners have
automated this whole process!**



GreenScreen List Translator



GreenScreen Hazard Endpoints
& Hazard Criteria



Chemical of
high
concern?

LT-1 = Yes!

LT-P1 = Possibly

LT-UNK or NoGSLT = ??

Lists →

Criteria →

Score



GreenScreen Specified Lists

SECTION V – ANNEX 11 GreenScreen Specified Lists

TABLE A11.1: GreenScreen Specified Lists and Descriptions

Abbreviation	CPA List Type ¹	List Name	Associated GreenScreen Hazard Endpoints	URL and/or Reference ²
EU - SVHC Authorisation List	Authoritative A and B	European Union Substances of Very High Concern Subject to Authorization.	Carcinogenicity, Mutagenicity/ Genotoxicity, Endocrine Activity, Reproductive and/or Developmental Toxicity, PBT or vPvB in “Multiple Endpoints”, and Equivalent Concern	The List of Substances Subject to Authorisation (Annex XIV of the REACH Regulation) is found at the first link. Additional information on authorisation can be found at the second link.
				http://echa.europa.eu/addressing-chemicals-of-concern/authorisation/recommendation-for-inclusion-in-the-authorisation-list/authorisation-list
G&L - Neurotoxic Chemicals	Screening B	Grandjean & Landrigan, List of 201 Chemicals Known to be Neurotoxic in Humans.	Neurotoxicity and Developmental Toxicity (includes Developmental Neurotoxicity)	Grandjean, P & PJ Landrigan, "Developmental neurotoxicity of industrial chemicals," Lancet, v368: 2167-2178, 2006 (first link).
				Grandjean, P & PJ Landrigan, "Neurobehavioural effects of developmental toxicity," The Lancet Neurology, V13: 330–38, published 2014 (second link).



GreenScreen Specified Lists

List Type	Description
Authoritative Lists	Listing is based on a comprehensive expert review by a recognized authoritative body, and result in a classification with a higher level of confidence.
Screening Lists	Lists are identified as Screening Lists if one or more of the following is true, and result in a classification with a lower level of confidence. <ul style="list-style-type: none">a. The list was developed using a less comprehensive reviewb. The list was compiled by an organization that is not considered to be authoritativec. The list was developed using predominantly or exclusively estimated datad. The list was developed to identify chemicals for further review and/or testing



GreenScreen List Translator Map

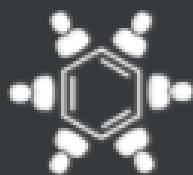
SECTION V – ANNEX 12 GreenScreen List Translator™ Map

TABLE A12.1: Human Health and Ecotox Lists (Single Hazard Endpoints)

ID	GreenScreen Supporting List Information		GreenScreen List Translator					
	List	Sublist Category	GreenScreen Hazard	List Type	A or B	Hazard Range	Display in Hazard Box	List Translator Score
67	EU – Priority Endocrine Disruptors	Category 3b (Substances with no or insufficient data gathered)	Endocrine Activity	Screening	B	H, M, or L	UNK	UNK
68	EU – REACH Annex XVII CMRs	Carcinogen Category 1 – Substances known to be Carcinogenic to man	Carcinogenicity	Authoritative	A	H	H	1
69	EU – REACH Annex XVII CMRs	Carcinogen Category 2 – Substances which should be regarded as if they are Carcinogenic to man	Carcinogenicity	Authoritative	A	H	H	1
70	EU – REACH Annex XVII CMRs	Carcinogen Category 3 – Possibly Carcinogenic to humans (listed as Carc. Cat. 3)	Carcinogenicity	Authoritative	A	M	M	UNK



List Translator Automated Tools



**Chemical Hazard
Data Commons**
powered by Pharos

<https://www.greenscreenchemicals.org/learn/greenscreen-list-translator>



New Courses 2018!

<https://www.cleanproduction.org/programs/training-courses-2018>

1. [Designing a Chemicals Management Policy:](#)
 - Align purpose & practice: May 2018
2. [Managing the Chaos of Chemical Lists:](#)
 - Move from reactive to proactive: June 2018
3. [Setting Goals and Measuring Footprints:](#)
 - Connect measurement & management: September 2018
4. [Avoiding Regrettable Substitutes with GreenScreen®:](#)
 - Reduce risks with safer alternatives: October 2018



THANK YOU!



Contact

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<http://www.greenscreenchemicals.org/>

Email:

greenscreen@cleanproduction.org

Shari Franjevic

GreenScreen Program

Manager

Clean Production Action

[*Shari@cleanproduction.org*](mailto:Shari@cleanproduction.org)

A Tour of the Chemical Hazard Data Commons

Michel Dedeo, Chemist
Tom Lent, Policy Director

April 18, 2018



DataCommons
FROM HBN



**HEALTHY
BUILDING
NETWORK**

VISION

All people and the planet thrive when the environment is free of hazardous chemicals

MISSION

To advance human and environmental health by improving hazardous chemical transparency and inspiring product innovation



**HEALTHY
BUILDING
NETWORK**

HBN's Methods

Research & Policy - Recent examples include

- Providing research and guidance on chemicals policies to Home Depot and the EPA
- Developing guidelines for healthy materials for weatherization
- Reporting on mercury and asbestos use in the manufacture of PVC

Education & Capacity Building

- Helping affordable housing communities select healthier materials through our Home Free project

Tools & Data Systems

- Creating tools to identify and disclose the chemical content of building products (Health Product Declaration and Portico)
- Creating tools to evaluate chemical hazards and find safer alternatives (Pharos and the Data Commons)



**HEALTHY
BUILDING
NETWORK**

Comparing Products with the Data Commons

Conventional

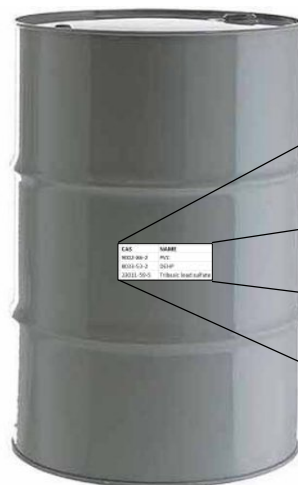


Green



Comparing Products with the Data Commons

Conventional



CAS	NAME
9002-86-2	PVC
8033-53-2	DEHP
33011-59-5	Tribasic lead sulfate

Green



CAS	NAME
9002-86-2	PVC
6422-86-2	DEHT
557-05-1	ZINC STEARATE

Search Chemicals 

You may search chemicals by Systematic Name, Trade Name, Synonym, Registry Number, or chemical group. [?](#)

The Data Commons lets you search over 50,000 chemicals for key health and environmental information using:

- 45 authoritative scientific lists for specific human and environmental health hazards
- 32 restricted substance lists
- GreenScreen List Translator scores based on the most current GreenScreen version (1.4)

Announcements



CPA releases GreenScreen v1.4 - tackles polymers & products & adds new lists

Posted by [Michel Dedeo](#) 2 months ago

[Clean Production Action \(CPA\) has released version 1.4 of the](#)



Screen for ZDHC MRSLs & new C2C RSLs

Posted by [Tom Lent](#) 3 months ago

[We have added several new RSLs this week from ZDHC & C2C to help you in screening chemi...](#)



Want to know when a chemical you care about gets listed for a new hazard?

Posted by [Tom Lent](#) 3 months ago

[We monitor them for you. Try out our new](#)

Discussion Activity

Create a Group for Each Product

My Chemical Comparisons

Create groups of chemicals to compare their hazards.

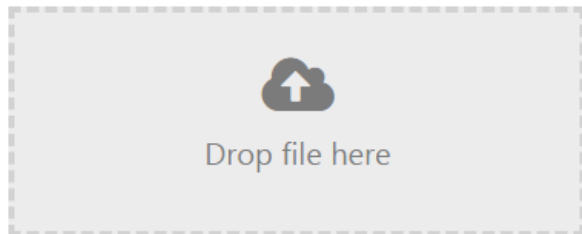
[FAQ](#)

You have no chemical groups yet.

Create a new group

Add Multiple Chemicals

To import a list of chemicals, download and fill in this [template](#) and drop the file into the box below.



Create group

Shared and Public Groups

Create a Group for Each Product

My Chemical Comparisons

Create groups of chemicals to compare their hazards.

[FAQ](#)

You have no chemical groups yet.

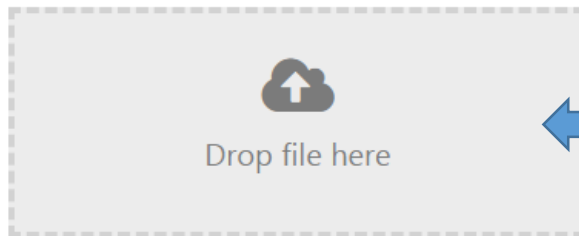
Create a new group

Conventional Product

Enter chemical group notes (optional)

Add Multiple Chemicals

To import a list of chemicals, download and fill in this [template](#) and drop the file into the box below.



Create group



CAS
9002-86-2
8033-53-2
33011-59-5

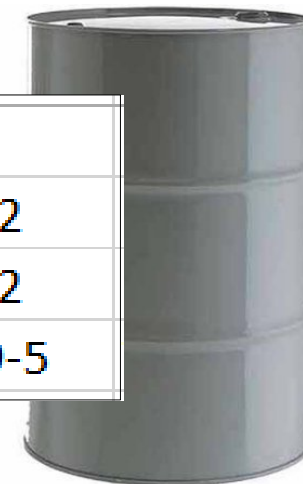


Table Shows GreenScreen LT Scores and Hazards

My Chemical Comparisons / Conventional Product

Conventional Product



User notes:

Edit Notes

Subscribe to hazard updates

Private: [edit sharing](#)

Actions	CASRN	Chemical Name	Score	Group I Human					Group II and II* Human								Ecotox			Fate		Physical			Non-GSLT	Mult	Oth				
				C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Oth		
	9002-86-2	POLYVINYL CHLORIDE (PVC)	LT-P1	H-L			M-L				sin	rep	sin	rep								vH-H								H	R
	8033-53-2	DEHP	LT-1	H		H	H	H					vH-L		M		M	vH	H		pC	pC							H	R	
	33011-59-5	Tribasic lead sulfate	LT-1	H	H-M	H	H-M		M		M	H		H				vH	M		pC	pC			vH			H	R		

Table Shows GreenScreen LT Scores and Hazards

My Chemical Comparisons / Conventional Product

Conventional Product



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Private: [edit sharing](#)

Actions	CASRN	Chemical Name	Score	Group I Human					Group II and II* Human								Ecotox			Fate		Physical			Non-GSLT		Mult	Oth				
				C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Oth			
	9002-86-2	POLYVINYL CHLORIDE (PVC)	LT-1	H			M-L				sin	rep	sin	rep																	H	R
	8033-53-2	DEHP	LT-1	H		H	H	H						vH-L		M		M	vH	H		pC	pC							H	R	
	33011-59-5	Tribasic lead sulfate	LT-1	H	H-M	H	H-M		M		M	H		H				vH	M		pC	pC			vH			H	R			

high hazard, high confidence

Table Shows GreenScreen LT Scores and Hazards

My Chemical Comparisons / Conventional Product

Conventional Product



User notes:

Edit Notes

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Actions	CASRN	Chemical Name	Score	Reproductive Toxicity					Group II and II* Human								Ecotox			Fate		Physical			Non-GSLT		Mult	Oth			
				C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Oth		
	9002-86-2	POLYVINYL CHLORIDE (PVC)	LT-P1	H-L			M-L				sin	rep	sin	rep								vH-H								H	R
	8033-53-2	DEHP	LT-1	H		H	H	H					vH-L		M		M	vH	H		pC	pC							H	R	
	33011-59-5	Tribasic lead sulfate	LT-1	H	H-M	H	H-M		M		M	H		H				vH	M		pC	pC			vH			H	R		


Table Shows GreenScreen LT Scores and Hazards

My Chemical Comparisons / Conventional Product

Conventional Product

User notes:

 Edit Notes

 Subscribe to hazard updates

Private: [edit sharing](#)

Developmental Toxicity incl. developmental neurotoxicity




Actions	CASRN	Chemical Name	Score	Group II and II* Human														Ecotox			Fate		Physical			Non-GSLT			Mult	Oth			
				C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Oth				
										sin	rep	sin	rep																				
	9002-86-2	POLYVINYL CHLORIDE (PVC)	LT-P1	H-L			M-L										H-M					vH-H										H	R
	8033-53-2	DEHP	LT-1	H		H	H	H					vH-L		M		M	vH	H			pC	pC								H	R	
	33011-59-5	Tribasic lead sulfate	LT-1	H	H-M	H	H-M		M		M	H		H				vH	M			pC	pC				vH			H	R		


Table Shows GreenScreen LT Scores and Hazards

My Chemical Comparisons / Conventional Product




Conventional Product

User notes:

 [Edit Notes](#)

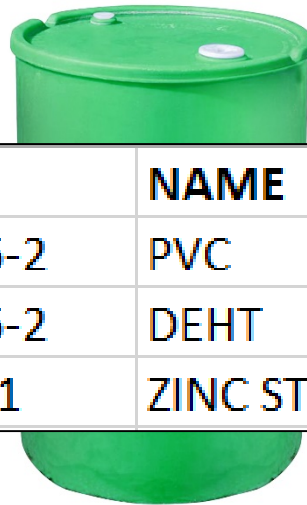
 [Subscribe to hazard updates](#)

Private: [edit sharing](#)

Actions	CASRN	Chemical Name	Score	Group I Endocrine Activity					Group II and II* Human								Ecotox			Fate		Physical			Non-GSLT			Mult	Oth								
				C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Oth								
	9002-86-2	POLYVINYL CHLORIDE (PVC)	LT-P1	H-L			M-L																												H	R	
	8033-53-2	DEHP	LT-1	H		H	H	H																												H	R
	33011-59-5	Tribasic lead sulfate	LT-1	H	H-M	H	H-M			M																										H	R

Room for improvement...

Repeat process to make a group
for the green product ingredients



CAS	NAME
9002-86-2	PVC
6422-86-2	DEHT
557-05-1	ZINC STEARATE

Table Shows GreenScreen LT Score and Hazards

My Chemical Comparisons / Green Product




Green Product

User notes:

 Edit Notes

 Subscribe to hazard updates

Private: [edit sharing](#)

Actions	CASRN	Chemical Name	Score	Group I Human					Group II and II* Human								Ecotox			Fate		Physical		Non-GSLT			Mult	Or	
				C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	O
											sin	rep	sin	rep															
	9002-86-2	POLYVINYL CHLORIDE (PVC)	LT-P1	H-L			M-L							H-M							vH-H							H	
	6422-86-2	Bis(2-ethylhexyl) terephthalate	BM-3dg	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L	-	-	-	-		
	557-05-1	ZINC STEARATE		H-L					vH					M							vH-H						U		

GreenScreen Benchmark and Assessment displayed when available

Share Groups With Other Users

My Chemical Comparisons / Green Product




Green Product

User notes:

 Edit Notes

 Subscribe to hazard updates

Private: edit sharing

Actions	CASRN	Chemical Name	Score	Group I Human					Group II and II* Human								Ecotox			Fate		Physical		Non-GSLT			Mult	Or	
				C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	O
	9002-86-2	POLYVINYL CHLORIDE (PVC)	LT-P1	H-L			M-L				sin	rep	sin	rep							vH-H								H
	6422-86-2	Bis(2-ethylhexyl) terephthalate	BM-3dg	L	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L	-	-	-	-	
	557-05-1	ZINC STEARATE	LT-P1	H-L					vH						M						vH-H							U	

My Chemical Comparisons / Green Product

Green Product

User notes:

Edit Notes

Subscribe to hazard updates

Actions	CASRN	Chemical Name
	9002-86-2	POLYVINYL CHLORIDE (PVC)
	6422-86-2	Bis(2-ethylhexyl) terephthalate B
	557-05-1	ZINC STEARATE

Add Single Chem

Search Chemicals

Update Your Sharing Preferences



Share this group with a user

Check Pending Invites

Search for users

Search for users to share into this chemical group. You can remove users from the group by clicking the icon alongside the user's name in the table below. To invite non-DC users to your chemical group, type in their email address and click the prompt that appears.

Name	Organization
You have not shared this group with any users yet.	

Public

The group is visible to all users.

Private

The group is only visible to the group owner.

Shared

The group is visible to specific users.

Remember to click 'Update Preferences' for your changes to take effect.

Update Preferences

Close

	Fate			Physical			Non-GSLT			Mult	Other
ATB	P	B	Rx	F	PBT	GW	O	Mult	Other		
	vH-H								H	R	
-	vL	L	L	L	-	-	-	-	+		
	vH-H							U	R		

Drop file here

Import chemicals

My Chemical Comparisons / Green Product

Green Product

User notes:

Edit Notes

Subscribe to hazard updates

Actions	CASRN	Chemical Name
	9002-86-2	POLYVINYL CHLORIDE (PVC)
	6422-86-2	Bis(2-ethylhexyl) terephthalate B
	557-05-1	ZINC STEARATE

Add Single Chem

Search Chemicals

Update Your Sharing Preferences



Share this group with a user

Check Pending Invites

Tom Lent - Healthy Building Network

Tom Lent-User

Tom Neltner - Environmental Defense Fund

Tommy Schaperkotter - Harvard Graduate School of Design

Public

The group is visible to all users.

Private

The group is only visible to the group owner.

Shared

The group is visible to specific users.

The user you have searched for has not been invited yet. Click 'Update Preferences' to update anyway.

Update Preferences

Close

	Fate			Physical			Non-GSLT			Mult	Other
ATB	P	B	Rx	F	PBT	GW	O	Mult	Other		
	vH-H							H	R		
	vL	L	L	L	-	-	-	-	+		
	vH-H							U	R		

Drop file here

Import chemicals


Share Groups With Other Users

My Chemical Comparisons / Green Product




Green Product

User notes:

 Edit Notes

 Subscribe to hazard updates

Shared with 1 users: edi sharing

Actions	CASRN	Chemical Name	Score	Group I Human					Group II and II* Human								Ecotox			Fate		Physical		Non-GSLT			Mult	O	
				C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	O
	9002-86-2	POLYVINYL CHLORIDE (PVC)	LT-P1	H-L			M-L								H-M						vH-H								H
	6422-86-2	Bis(2-ethylhexyl) terephthalate	BM-3dg	L	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L	-	-	-	-	
	557-05-1	ZINC STEARATE	LT-P1	H-L					vH						M						vH-H							U	

Tom can now view and edit this group

Be Notified When Hazards Change*

My Chemical Comparisons / Green Product




Green Product

User notes:

 Edit Notes

 **Subscribe to hazard updates**

Shared with 1 users: [edit sharing](#)

Actions	CASRN	Chemical Name	Score	Group I Human					Group II and II* Human								Ecotox			Fate		Physical		Non-GSLT			Mult	Or							
				C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	O						
	9002-86-2	POLYVINYL CHLORIDE (PVC)	LT-P1	H-L			M-L															vH-H												H	
	6422-86-2	Bis(2-ethylhexyl) terephthalate	BM-3dg	L	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L											
	557-05-1	ZINC STEARATE	LT-P1	H-L						vH																									U

*feature is currently in beta testing

Find CASRN with a search!

Search Chemicals

You may search chemicals by Systematic Name, Trade Name, Synonym, Registry Number, or chemical group. ⓘ

The Data Commons lets you search over 50,000 chemicals for key health and environmental information using:

- 45 authoritative scientific lists for specific human and environmental health hazards
- 32 restricted substance lists
- GreenScreen List Translator scores based on the most current GreenScreen version (1.4)

Announcements



CPA releases GreenScreen v1.4 - tackles polymers & products & adds new lists

Posted by Michel Dedeo 2 months ago

[Clean Production Action \(CPA\) has released version 1.4 of the](#)



Screen for ZDHC MRSLs & new C2C RSLs

Posted by Tom Lent 3 months ago

[We have added several new RSLs this week from ZDHC & C2C to help you in screening chemi...](#)



CAS	NAME
N/A	PVC
N/A	DEHT
N/A	ZINC STEARATE

Find CASRN with a search!

DEHT

Bis(2-ethylhexyl) terephthalate [6422-86-2] synonym match: *DEHT*

.delta.-valerolactone [542-28-9]

DEET [134-62-3]

DEETHANIZER TOWER BOTTOMS [68513-68-8]

DEHEXANIZER OFF-GAS [68513-15-5]

DEHP [8033-53-2]

DEHP [50885-87-5]


DEHP [40120-69-2]

DEHP [275818-89-8]

DEHP [607374-50-5]


DEHP [205180-59-2]

Announcements

 CPA releases GreenScreen v1.4 - tackles polymers & products & adds new lists

Posted by [Michel Dedeo](#) 2 months ago

[Clean Production Action \(CPA\)](#) has released version 1.4 of the

 Screen for ZDHC MRSLs & new C2C RSLs

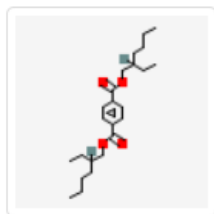
Posted by [Tom Lent](#) 3 months ago

We have added several new RSLs this week from ZDHC & C2C to help you in screening chemi...



CAS	NAME
N/A	PVC
N/A	DEHT
N/A	ZINC STEARATE

Any Synonym Will Bring You Here



Bis(2-ethylhexyl) terephthalate

6422-86-2

General Info

Functional Uses (1)

Discussions (0)

External Resources

Hazard Summary

[FAQ](#)

		Group I Human					Group II and II* Human								Ecotox			Fate		Physical			Non-GSLT			Mult	Other	
	Score	C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other	
GreenScreen Assessment ?	BM-3dg	L	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L	-	-	-	-	-	+

[Show list hazard summary](#)

[> Hazard Lists: 1](#)

[> Positive Lists: 1](#)

[> Synonyms: 22](#)

Identifiers

CASRN:

6422-86-2

SMILES:

CCCCC(CC)COC(=O)C1=CC=C(C=C1)C(=O)OCC(C)CCCC

Any Synonym Will Bring You Here

Hazard Summary

[FAQ](#)

		Group I Human					Group II and II* Human								Ecotox			Fate		Physical		Non-GSLT			Mult	Other		
	Score	C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other	
GreenScreen Assessment ?	BM-3dg	L	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L	-	-	-	-	-	+

[Show list hazard summary](#)

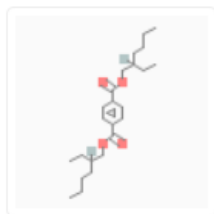
➤ Hazard Lists: 1

➤ Positive Lists: 1

▼ Synonyms: 22

- 1,4-Benzenedicarboxylic acid bis(2-ethylhexyl) ester
- 1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl)ester
- 2-ethylhexyl 4-[(2-ethylhexyl)oxycarbonyl]benzoate
- DEHT
- di(2-ethylhexyl)terephthalate
- Dioctyl Terephthalate (High Class)
- PA-6 Plasticizer adhesive
- Terephthalic acid, bis(2-ethylhexyl)ester
- 1,4-Benzenedicarboxylic acid, 1,4-bis(2-ethylhexyl) ester
- 1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl)ester (9CI)
- bis(2-ethylhexyl) benzene-1,4-dicarboxylate
- Di-(2-ethylhexyl) terephthalate
- Di(ethylhexyl) terephthalate
- DOTP
- Terephthalic acid bis(2-ethylhexyl) ester
- 1,4-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER
- 1,4-Benzenedicarboxylic acid, 1,4-bis(2-ethylhexyl) ester
- BIS(2-ETHYLHEXYL) TEREPHTHALATE
- Di(2-ethylhexyl) terephthalate
- Dioctyl Terephthalate (First Class)
- Kodaflex DOTP
- Terephthalic acid, bis(2-ethylhexyl) ester

Hazard Summary Table



Bis(2-ethylhexyl) terephthalate

6422-86-2

General Info

Functional Uses (1)

Discussions (0)

External Resources

Hazard Summary

[FAQ](#)

Score	Group I Human					Group II and II* Human								Ecotox			Fate		Physical		Non-GSLT			Mult	Other		
	C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other	
GreenScreen Assessment ?	L	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L	-	-	-	-	-	+

[Show list of hazard assessments](#)

➤ Hazard Lists: 1

➤ Positive Lists: 1

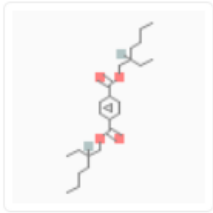
➤ Synonyms: 22

Identifiers

CASRN: 6422-86-2

SMILES: CCCCC(CC)COC(=O)C1=CC=C(C=C1)C(=O)OCC(C)CCCC

Hazard List Details are Available



Bis(2-ethylhexyl) terephthalate

6422-86-2

General Info

Functional Uses (1)

Discussions (0)

External Resources

Hazard Summary

[FAQ](#)

		Group I Human					Group II and II* Human								Ecotox			Fate		Physical			Non-GSLT			Mult	Other
	Score	C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other
GreenScreen Assessment ⓘ	BM-3dg	L	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L	-	-	-	-	+
All List Hazards ⓘ (show GreenScreen only)	LT-UNK																									U	+

[Hide list hazard summary](#)

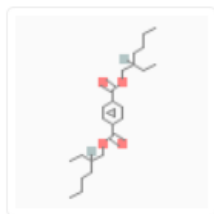
[➤ Hazard Lists: 1](#)

[➤ Positive Lists: 1](#)

[➤ Synonyms: 22](#)

Identifiers

Hazard List Details are Available



Bis(2-ethylhexyl) terephthalate

6422-86-2

General Info

Functional Uses (1)

Discussions (0)

External Resources

Hazard Summary

[FAQ](#)

		Group I Human					Group II and II* Human								Ecotox			Fate		Physical			Non-GSLT			Mult	Other	
	Score	C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other	
GreenScreen Assessment ?	BM-3dg	L	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L	-	-	-	-	-	+
All List Hazards ? (show GreenScreen only)	LT-UNK																									U	+	

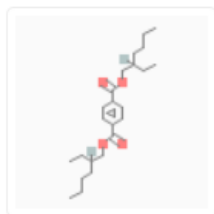
[Hide list hazard summary](#)

▼ Hazard Lists: 1

View More	Endpoint	Hazard Level	GSLT Score	GSLT List Type	List Name	HPD
	Acute aquatic toxicity; Chronic aquatic toxicity	U	LT-UNK	Screening B	EC - CEPA DSL: Inherently Toxic in the Environment	

[Hide Hazard Lists](#)

Positive List Details are Available



Bis(2-ethylhexyl) terephthalate

6422-86-2

General Info

Functional Uses (1)

Discussions (0)

External Resources

Hazard Summary

[FAQ](#)

		Group I Human					Group II and II* Human								Ecotox			Fate		Physical			Non-GSLT			Mult	Other
	Score	C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other
GreenScreen Assessment ?	BM-3dg	L	L	L	L	DG	L	L	L	L	DG	L	L	L	L	L	L	-	vL	L	L	L	-	-	-	-	+
All List Hazards ? (show GreenScreen only)	LT-UNK																									U	+

[Hide list hazard summary](#)

[➤ Hazard Lists: 1](#)

[▼ Positive Lists: 1](#)

- German FEA - Substances Hazardous to Waters: Non-Hazardous to Water (Water Hazard Class 0 NWG)

Most Authoritative Hazards Displayed by Default

		Group I Human					Group II and II* Human							Ecotox			Fate		Physical		Non-GSLT			Mult	Other		
	Score	C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other
GS List Hazards ? (show all)	LT-1	H		H	H	H					vH-L				M	vH										H	R

▼ Hazard Lists: 53

View More	Endpoint	Hazard Level	GSLT Score	GSLT List Type	List Name	HPD
>	Carcinogenicity	H	LT-1	Authoritative A	CA EPA - Prop 65: Carcinogen *	✓
>	Reproductive Toxicity	H	LT-1	Authoritative A	CA EPA - Prop 65: Reproductive Toxicity - Male *	✓
>	Developmental Toxicity incl. developmental neurotoxicity	H	LT-1	Authoritative A	CA EPA - Prop 65: Developmental toxicity *	✓
>	Endocrine Activity	H	LT-1	Authoritative A	EU - SVHC Authorisation List: Equivalent Concern - Candidate List *	✓
	Neurotoxicity-Repeated Exposure	vH-L	LT-UNK	Screening B	Boyes - Neurotoxicants: Neurotoxic *	
>	Respiratory Sensitization	M	NoGS	Priority list proposed for GreenScreen	CHE - Toxicant Database: Asthma - allergen, sensitizer - limited evidence *	
	Eye Irritation/Corrosivity	M	LT-UNK	Screening A	Japan - GHS: Serious eye damage / eye irritation - Category 2B *	
>	Acute Aquatic Toxicity	vH	LT-UNK	Screening A	Japan - GHS: Hazardous to the aquatic environment (acute) - Category 1 *	
>	Chronic Aquatic Toxicity	H	NoGS	Not included in GreenScreen	Japan - GHS: Hazardous to the aquatic environment (chronic) - Category 2 *	
	Persistence	pC	NoGS	Not included in GreenScreen	US EPA - PPT Chemical Action Plans: Low environmental persistence - TSCA Criteria met *	
	Bioaccumulation	pC	NoGS	Not included in GreenScreen	US EPA - PPT Chemical Action Plans: Low bioaccumulation potential - TSCA Criteria met *	
>	Reproductive and/or Developmental Toxicity	H	LT-1	Authoritative B	EU - Annex VI CMRs: Reproductive Toxicity - Category 1B *	✓

Click Arrow to Reveal Additional Hazards

		Group I Human					Group II and II* Human							Ecotox			Fate		Physical		Non-GSLT			Mult	Other		
	Score	C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other
GS List Hazards ? (show all)	LT-1	H		H	H	H					vH-L				M	vH										H	R

▼ Hazard Lists: 53

View More	Endpoint	Hazard Level	GSLT Score	GSLT List Type	List Name	HPD
▶	Carcinogenicity	H	LT-1	Authoritative A	CA EPA - Prop 65: Carcinogen *	✓
▶	Reproductive Toxicity	H	LT-1	Authoritative A	CA EPA - Prop 65: Reproductive Toxicity - Male *	✓
▶	Developmental Toxicity incl. developmental neurotoxicity	H	LT-1	Authoritative A	CA EPA - Prop 65: Developmental toxicity *	✓
▶	Endocrine Activity	H	LT-1	Authoritative A	EU - SVHC Authorisation List: Equivalent Concern - Candidate List *	✓
	Neurotoxicity-Repeated Exposure	vH-L	LT-UNK	Screening B	Boyes - Neurotoxicants: Neurotoxic *	
▶	Respiratory Sensitization	M	NoGS	Priority list proposed for GreenScreen	CHE - Toxicant Database: Asthma - allergen, sensitizer - limited evidence *	
	Eye Irritation/Corrosivity	M	LT-UNK	Screening A	Japan - GHS: Serious eye damage / eye irritation - Category 2B *	
▶	Acute Aquatic Toxicity	vH	LT-UNK	Screening A	Japan - GHS: Hazardous to the aquatic environment (acute) - Category 1 *	
▶	Chronic Aquatic Toxicity	H	NoGS	Not included in GreenScreen	Japan - GHS: Hazardous to the aquatic environment (chronic) - Category 2 *	
	Persistence	pC	NoGS	Not included in GreenScreen	US EPA - PPT Chemical Action Plans: Low environmental persistence - TSCA Criteria met *	
	Bioaccumulation	pC	NoGS	Not included in GreenScreen	US EPA - PPT Chemical Action Plans: Low bioaccumulation potential - TSCA Criteria met *	
▶	Reproductive and/or Developmental Toxicity	H	LT-1	Authoritative B	EU - Annex VI CMRs: Reproductive Toxicity - Category 1B *	✓

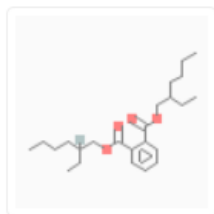
Click Arrow to Reveal Additional Hazards

		Group I Human					Group II and II* Human							Ecotox			Fate		Physical		Non-GSLT			Mult	Other		
	Score	C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other
GS List Hazards ? (show all)	LT-1	H		H	H	H					vH-L				M	vH										H	R

▼ Hazard Lists: 53

View More	Endpoint	Hazard Level	GSLT Score	GSLT List Type	List Name	HPD
▼	Carcinogenicity	H	LT-1	Authoritative A	CA EPA - Prop 65: Carcinogen *	✓
		H	LT-1	Authoritative A	US CDC - Occupational Carcinogens: Occupational Carcinogen *	✓
		H	LT-1	Authoritative A	US EPA - IRIS Carcinogens: (1986) Group B2 - Probable human Carcinogen *	✓
		H	LT-1	Authoritative A	US NIH - Report on Carcinogens: Reasonably Anticipated to be Human Carcinogen *	✓
		M	LT-UNK	Authoritative A	IARC: Group 2B - Possibly carcinogenic to humans *	✓
		M	LT-UNK	Authoritative A	MAK: Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels *	✓
		H	LT-P1	Screening A	Australia - GHS: H350 - May cause cancer *	✓
		M	LT-UNK	Screening A	Japan - GHS: Carcinogenicity - Category 2 *	
		H-L	LT-UNK	Authoritative B	IARC: Group 3 - Agent is not classifiable as to its carcinogenicity to humans *	
▶	Reproductive Toxicity	H	LT-1	Authoritative A	CA EPA - Prop 65: Reproductive Toxicity - Male *	✓
▶	Developmental Toxicity incl. developmental neurotoxicity	H	LT-1	Authoritative A	CA EPA - Prop 65: Developmental toxicity *	✓
▶	Endocrine Activity	H	LT-1	Authoritative A	EU - SVHC Authorisation List: Equivalent Concern - Candidate List *	✓
	Neurotoxicity-Repeated Exposure	vH-L	LT-UNK	Screening B	Boyes - Neurotoxicants: Neurotoxic *	

All Chemicals Checked Against RSLs



DEHP

8033-53-2

General Info

Discussions (0)

External Resources

Hazard Summary

[FAQ](#)

	Score	Group I Human					Group II and II* Human								Ecotox			Fate		Physical			Non-GSLT			Mult	Other
		C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other
GS List Hazards ? (show all)	LT-1	H		H	H	H					vH-L				M	vH										H	R

➤ Hazard Lists: 53

➤ Restricted Substance Lists (RSLs): 33

Synonyms: 0

Identifiers

CASRN: 8033-53-2

SMILES: CCCC(CC)COC(=O)C1=CC=CC=C1C(=O)OCC(CC)CCCC

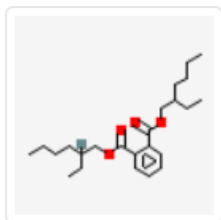
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All Chemicals Checked Against RSLs

▼ Restricted Substance Lists (RSLs): 33

- BIFMA - e3/level Annex B list of chemicals: V3 2014 Substance of Concern List
- C2C Certified™ - v3 Banned List: Biological Nutrients
- C2C Certified™ - v3 Banned List: Technical Nutrients
- C2C Certified™ - v4 RSL (DRAFT): Children's Products
- C2C Certified™ - v4 RSL (DRAFT): Core Restrictions
- C2C Certified™ - v4 RSL (DRAFT): Formulated Products
- CA SCP - Candidate Chemicals: Candidate Chemical List
- CPA - Chemical Footprint: CFP EU Candidate SVHC List
- EU - Cosmetics Regulation Annex II: Prohibited in Cosmetic Products
- EU - REACH Annex XVII non-CMRs: Substances restricted under REACH
- EU - ROHS: Annex II Restricted Substances - 2019 additions
- GSPI - Six Classes of Problematic Chemicals: Bisphenols and Phthalates
- HBN - Priority Asthmagens: Priority Asthmagen to Avoid
- Health Canada - Cosmetic Ingredient Hotlist: Ingredients that are Prohibited for Use in Cosmetic Products
- Living Future - Living Building Red List: Prospective Red List substances to avoid in Living Building Challenge projects
- Living Future - Living Building Red List: Red List substance to avoid in Living Building Challenge V2.1 projects
- Living Future - Living Building Red List: Red List substances to avoid in Living Building Challenge V3 projects
- MDH - Chemicals of High Concern and Priority Chemicals: Chemicals of High Concern
- MDH - Chemicals of High Concern and Priority Chemicals: Priority Chemicals
- ME DEP - Chemicals of High Concern and Priority Chemicals: Priority Chemicals
- P+W - Precautionary List: Precautionary list of asthma triggers
- P+W - Precautionary List: Precautionary list of asthmagens
- P+W - Precautionary List: Precautionary list of substances recommended for avoidance
- SCHF - Hazardous 100: Chemicals of high concern
- US EPA - Hazardous Air Pollutants: HAPs subject to the Clean Air Act
- US EPA - PPT Chemical Action Plans: EPA Chemical of Concern - Action Plan published
- US EPA - PPT Chemical Action Plans: TSCA Work Plan Chemicals - Action Plan published

External Resources Links to Additional Databases



DEHP

8033-53-2

General Info

Discussions (0)

External Resources

Hazard Summary

[FAQ](#)

	Score	Group I Human					Group II and II* Human							Ecotox			Fate		Physical			Non-GSLT			Mult	Other	
		C	M	R	D	E	AT	ST	ST	N	N	SnS	SnR	IrS	IrE	AA	CA	ATB	P	B	Rx	F	PBT	GW	O	Mult	Other
All List Hazards ? <small>(show GreenScreen only)</small>	LT-1	H		H	H	H					vH-L		M		M	vH	H		pC	pC						H	R

➤ [Hazard Lists: 53](#)

➤ [Restricted Substance Lists \(RSLs\): 33](#)

Synonyms: 0

Identifiers

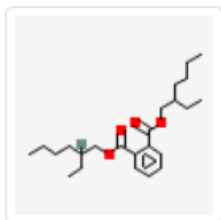
CASRN:

8033-53-2

SMILES:

CCCCCC(C)COC(=O)C1=CC=CC=C1C(=O)OCC(C)CCCC

External Resources Links to Additional Databases



DEHP

8033-53-2

[General Info](#)

[Discussions \(0\)](#)

[External](#)

See what data are available for this substance in other chemical databases. These links lead to the relevant page in the provider's database. The Data Commons does not manage

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- [View Chemical and Product Categories \(CPCat\) record](#)
- [View Pharos record](#)
- No ECHA Registration Dossiers found

Environmental Releases and Contamination for DEHP

No data found in the US EPA Toxic Release Inventory (TRI)

Remediation projects managed by [Pure Earth](#)

- None found

PubChem

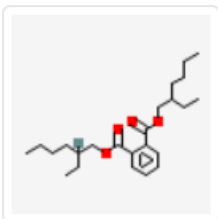
ChemIDplus

eChemPortal

Hazardous Substances
Data Bank (HSDB)

Pharos

ECHA
EUROPEAN CHEMICALS AGENCY



DEHP

8033-53-2

General Info

Discussions (0)

External Resources

See what data are available for this substance in other chemical databases. These links will take you outside of the Data Commons directly to the relevant page in the provider's database. The Data Commons does not manage the data on these sites.

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All Discussions

Primary Chemical makeup of a Building Product v. Residuals/impurities

10 replies



Posted in [Chemistry Hazard Talk](#) 25 days ago by [Sydney Mainster](#), Director of Sustainability, The Durst Organization

Hi All -Perhaps I should understand this more clearly, but I'd love to get opinions on how to weigh the importance of chemicals present in building products. I've recently reviewed two HPDs for building products that are in excess of 40 pages, due to the full listing of residual chemicals. When assessing the chemicals disclosed in an HPD, I've always looked at the primary chemical make up for chemicals of concern. But, the residuals listed are so broad, it's impossible to avoid some of... [\(view more\)](#)

GS List Translator...Difference between LT-UNK and NoGS?

4 replies



Posted in [Community Discussion](#) a month ago by [Alex Scranton](#), Director of Science and Research, Women's Voices for the Earth

When I look up different chemicals to check their Green Screen List Translator scores I am frequently running into situations where there is little data available about the chemical -so a List Translator score can't really be assigned. But I am wondering what is the difference between a chemical being assigned "LT-UNK" and being assigned "NoGS"?

Is this also the CAS for Aliphatic Hydrocarbons, C-10-C13?

3 replies




Posted in [Occupational/Dust hazards](#) 7 months ago by [Sydney Mainster](#), Director of Sustainability, The Durst Organization

I'm researching the health impacts of a Decking Oil, and the primary ingredient (30-

HYDROTREATED HEAVY NAPHTHA (PETROLEUM)

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Chemistry Hazard Talk

Share your questions, observations or ideas about chemistry and hazard assessment that doesn't fit under a specific chemical or group

Primary Chemical makeup of a Building Product v. Residuals/impurities

10 replies



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What is role of zinc oxide in plastic?

2 replies




Posted a year ago by Mary Dickinson

Can you share the role zinc oxide plays in the manufacturing of plastic products, I've been finding this among many of the PET and nylon products. It seems to be a reactant/residual in all of the circumstances I've found and important to explore being a BM1.

ZINC OXIDE

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What is role of zinc oxide in plastic?

Posted in [Chemistry Hazard Talk](#) a year ago by [Mary Dickinson](#)

ZINC OXIDE  



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Michel Dedeo, Chemist, Healthy Building Network replied, a year ago



A manufacturer (<http://www.zn-oxide.com/plastics/>) lists the following uses of zinc oxide in plastics: - Stability, acid scavenger and clarity (PVC). - Heat & ultraviolet-light resistance (polypropylene). - Fire resistance and anti-static properties (polyester). - X-linking and curing (polyethylene, polypropylene & polyester). - Mechanical Properties (polyethylene & polypropylene). - Fungistat (PVC).




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Occupational/Dust hazards

Health & Safety

What is role of zinc oxide in plastic?

Posted in [Chemistry Hazard Talk](#) a year ago by [Mary Dickinson](#)

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The assessment title links to that chemical's page. The link in the 'Availability' column lets you download public assessments, when available.

As of 9/20/17, purchases from TechStreet are suspended. We will notify users when links to purchase these assessments become available again.

Read the [FAQ](#), report a [problem](#), or suggest an [additional resource](#).

693 assessments

Assessment Title	CASRN	Date	Profiler	Benchmark	Availability
LACTIC ACID	50-21-5	10-15-13 (expired)	ToxServices LLC	2	Free
ZINC BORATE	1332-07-6	02-09-14 (expired)	ToxServices LLC	1	Free
2-ETHYL-1-HEXANOL	104-76-7	10-26-12 (expired)	ToxServices LLC	2	Free

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693 assessments

Assessment Title	CASRN	Date	Profiler	Benchmark	Availability
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane	119-47-1	06-05-15	ToxServices LLC	Not Available	Contact ToxServices
Sodium Benzeneoxybispropylenesulfonate	119345-04-9	09-10-15	ToxServices LLC	Not Available	Contact ToxServices
Cerium Sulfide	12014-93-6	09-11-14 (expired)	ToxServices LLC	Not Available	Contact ToxServices

Search for Chemicals by Function*

Search for chemicals by function or product type

🔍

Find materials with:

At least one of these Functions:
none selected

AND at least one of these Product Types:
none selected

[clear filters](#)

Functions

- ABRASIVE
- ABSORBENT
- ANTICAKING
- ANTICORROSIVE
- ANTIDANDRUFF
- ANTIFOAMING
- ANTIMICROBIAL
- Antimicrobial Actives
- ANTIOXIDANT
- ANTIPERSPIRANT
- ANTIPLAQUE
- ANTISEBORRHOEIC
- ANTISTATIC

Product Types

- cosmetics

*expected in May

Search for Chemicals by Function*

Search for chemicals by function or product type

Find materials with:
At least one of these Functions:
flame retardant × **PLASTICISER** ×
AND at least one of these Product Types:
none selected
[clear filters](#)

Functions

- ABRASIVE
- ABSORBENT
- ANTICAKING
- ANTICORROSIVE
- ANTIDANDRUFF
- ANTIHOAMING
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- ANTIPLAQUE
- ANTISEBORRHOEIC
- ANTISTATIC

Product Types

- cosmetics

*expected in May

Search for Chemicals by Function*

Functional use search results for Functions: *flame retardant*, *PLASTICISER* **AND** Product Types: *any* [Search again](#)

Chemical	Function	Product Type	Source	Date Added
(C5-C10) SATURATED ALKYL STRAIGHT-CHAIN FATTY ACIDS, PENTAERYTHRITOL ESTERS	PLASTICISER	cosmetics	CosIng - European Commission's Cosmetic Ingredient Database	03/17/18
1-HEXANOL, 2-ETHYL-, PHOSPHATE	flame retardant	n/a	TEDx - The Endocrine Disruptor Exchange	03/20/18
1-HEXANOL, 2-ETHYL-, SEBACATE	PLASTICISER	cosmetics	CosIng - European Commission's Cosmetic Ingredient Database	03/18/18
1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER	PLASTICISER	cosmetics	CosIng - European Commission's Cosmetic Ingredient Database	03/18/18
1,2,3-PROPANETRIOL TRIACETATE	PLASTICISER	cosmetics	CosIng - European Commission's Cosmetic Ingredient Database	03/18/18
1,2,4-Benzenetricarboxylic acid, mixed decyl and octyl triesters	PLASTICISER	cosmetics	CosIng - European Commission's Cosmetic Ingredient Database	03/18/18
1,3-Pentanediol, 2,2,4-trimethyl-, dibenzoate	PLASTICISER	cosmetics	CosIng - European Commission's Cosmetic Ingredient Database	03/17/18
1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE	PLASTICISER	cosmetics	CosIng - Europ	03/17/18

*expected in May

Questions?

Register for free at
commons.healthymaterials.net

Send questions to
datacommons@healthybuilding.net



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Thank you for attending.