

25 June 2020

## Subject: REACH Substances of Very High Concern and Ashland

#### Dear Customer,

The following information is provided in response to your request for Ashland's position concerning the presence of Substances of Very High Concern (SVHCs) in the products we manufacture, market and sell to customers in the European Union (EU).

Ashland can confirm that:

- Procedures are in place to ensure compliance with the REACH obligations of a supplier (see appendix 1) for proactively and reactively informing our customers in situations where SVHCs are present in our products. Additionally, as a general rule, Ashland will provide you with the latest version of the Safety Data Sheet (SDS) upon product purchase. If an SVHC is present in any of the products you purchase from Ashland, the substance will be listed on the European SDS (at "any known concentration" equal to or greater than 0.1 %).
- The following SVHC substances are present in Ashland products (see appendix 2 for specific products);
  - o 1-methyl-2-pyrrolidone (June 2011)
  - o cyclohexane-1,2-dicarboxylic anhydride (December 2012)
  - o octamethylcyclotetrasiloxane (D4), decamethylcyclopentasiloxane (D5),
  - dodecamethylcyclohexasiloxane (D6), and dicyclohexyl phthalate (June 2018)
  - o 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (January 2020)
  - o butyl 4-hydroxybenzoate(butylparaben) (June 2020)
- Acrylamide, which was added in March 2010, is not present in our product at levels of 0.1 %, or higher. The acrylamide in our polyacrylamide products is bound and will not release. Polyacrylamide is not a SVHC.
- Propylene oxide (methyl oxirane), which was added in December 2012, is not present in our products at levels of 0.1%, or higher. The propylene oxide in our products is bound (to polymers or other substances) and will not be released.
- Please see appendix 2 for an overview of the Ashland products involved. Where applicable, you will see these substances identified on the European SDS for the product. Although not legally required, Ashland is working on the reformulation of (some of) these products, where there is a benefit from reformulation to Ashland and our customers. In specific cases, you may be contacted to review the options.
- As additional SVHCs are placed on the candidate list, we will review the formulations of our product portfolio to phase out these substances from our products, where possible.

If you have questions regarding any REACH-related subject, please contact Ashland via your representative or send an e-mail to <u>globalregulatorycustomerrequest@ashland.com</u>

Kind regards,

Ryan Hamilton, PhD, DABT, ERT Sr. Manager, Product Safety & Global Chemicals Management

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All recommendations or suggestions must be evaluated by you to determine their applicability or suitability for your particular program. Any information claimed by Ashland to be confidential or proprietary is not to be disclosed to any third party.



# Appendix 1

SVHC

SVHCs, also known as "Annex XIV substances," are clearly described in Article 57 of Regulation (EC) No 1907/2006 (the "REACH Regulation"). These substances are identified according to ECHA (European Chemicals Agency):

- CMR substances; Carcinogenic, Mutagenic or toxic to Reproduction, meeting the criteria for classification in category 1 or 2 in accordance with Directive 67/548/EEC,
- **PBT** substances; Persistent, Bioaccumulative and Toxic according to the criteria in Annex XIII of the REACH regulation, or
- **vPvB** substances; very Persistent and very Bioaccumulative according to the criteria in Annex XIII of the REACH Regulation, and/or
- Identified, on a case-by-case basis, from scientific evidence as causing probable serious affects to human health or the environment of an equivalent level of concern as those above (e.g., endocrine disrupters).

In June 2020, ECHA updated the candidate list of SVHCs, which now contains 209 substances. The list is incomplete and more substances may be added. Please use the following link to see the latest version of the candidate list:

http://www.echa.europa.eu/web/guest/candidate-list-table

These substances may become subject to Authorisation. As result the following obligations apply;

## **Obligations**

## ARTICLES

- From 28 Oct 2008, EU and European Economic Area (EEA) suppliers of articles which contain substances on the Candidate List in a concentration above 0.1% (w/w) must
  - provide sufficient information, available to them, to their customers and on request to consumers within 45 days of the receipt of this request. This information must ensure safe use of the article and, as a minimum, include the name of the substance.
  - **notify the Agency**, according to article 7 (2), **if the substance is present in those articles** in quantities totaling over 1 tonne per producer or importer per year.

### SUBSTANCES

• From 28 Oct 2008, EU and EEA suppliers of a substance have to provide a safety data sheet to their customers when the substance is on the Candidate List.

### PREPARATIONS

• From 28 Oct 2008, EU and EEA suppliers of a preparation not classified as dangerous according to Directive 1999/45/EC have to provide the recipients, at their request, with a safety data sheet if the preparation contains at least one substance on the Candidate List and its individual concentration is at least 0.1% (w/w) for non-gaseous preparations and at least 0.2% by volume for gaseous preparations.

Ashland's products, in general, are preparations (mixtures of several substances).

### Appendix 2

The tables below present an overview of those Ashland products currently on the European market containing SVHCs. Although not legally required, we are working on the reformulation of (some of) these products, where reformulation would be valuable to both Ashland and our customers. In specific cases we will contact you to review the options.

\* Under Article 56(3) use of substances in scientific research and development is exempt from Authorisation. According to the definition of REACH, scientific research and development means any scientific experimentation, analysis or chemical research carried out under **controlled conditions** in volume less than one tonne per year. On the basis of this, it is likely that the use of substances as test reagent or indicator **in laboratory settings** is exempt.

1-methyl-2-pyrrolidone (EC#212-828-1)		
Ashland Product Number	Product Name	
830697, 830698, 830699	PHARMASOLVE	
829929, 829933	M-PYROL	
829841, 829844	MICROPURE EG	
829848, 857893, 857894	MICROPURE ULTRA II	
828306, 828307	GAFSOLVER TMP	

cyclohexane-1,2-dicarboxylic anhydride (EC#201-604-9)	
Ashland Product Number	Product Name
842346	PURERAD 3401263 LA
812559	PURERAD 52575E LOW MIGR LAM ADH
845211, 862056	PURERAD L7000E HB LAM ADH
845214, 910231	PURERAD L7070E PET LAM ADH
883053, 885291, 895777	PURERAD L7200E LM LAM ADH
906033, 906032	PURERAD L7211E UV LAM ADH
824468, 904986	PURERAD MAHP MONOMER

dodecamethylcyclohexasiloxane (D6) (EC#208-762-8)	
Ashland Product Number	Product Name
877124	CAPTIVATES GL21748
877126	CAPTIVATES GL21749
910490	CAPTIVATES GL21881
935346	CAPTIVATES GL21997
828965, 828966	ISP CAPTIVATES HC2825

decamethylcyclopentasiloxane (D5) (EC#208	-764-9)	
Ashland Product Number	Product Name	
358205	DREWPLUS S-4382	
877124	CAPTIVATES GL21748	
877126	CAPTIVATES GL21749	
910490	CAPTIVATES GL21881	
829570	LUBRASIL	
935346	CAPTIVATES GL21997	
828965, 828966	ISP CAPTIVATES HC2825	
831698	SI-TEC CM 040	
831713	SI-TEC GF 1000	
831714	SI-TEC GF 3092	

octamethylcyclotetrasiloxane (D4) (EC#2	09-136-7)	
Ashland Product Number	Product Name	
722163	DREW 210-900	
51357, 100799, 309880	DREWPLUS S-4386	
576901, 576560	DREWPLUS S4374	
587590, 587753	DREWPLUS S-4288	
340674, 325835, 895847	DREW 210-862	
320777, 353540, 320775	DREW 210-886	
100544	DREWPLUS S-4480	
50516, 67797	DREWPLUS TS-4481	
358205	DREWPLUS S-4382	

831713	SI-TEC GF 1000
831714	SI-TEC GF 3092
831708, 831709	SI-TEC DMC 6031

dicyclohexyl phthalate (EC#201-545-9)	
Ashland Product Number	Product Name
879635, 889243	PURESEAL 23519ES HEATSEAL

2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (EC#404-360-3)	
Ashland Product Number	Product Name
845213, 885716	PURERAD L8060E COLD FOIL ADH
905960, 910430	PURELED 3500E GLOSS TTR CTG
905974, 944811	PURELED 3600E MATT TTR CTG
887360	PURELED 1500E GLOSS HS CTG
888459	PURELED 1600E MATTE HS CTG

Butyl 4-hydroxybenzoate (EC#202-318-7)	
Ashland Product Number	Product Name
831551, 831552	ROKONSAL PB-4
829525	LIQUAPAR PE
829518	LIQUAPAR OIL
829522	LIQUAPAR OPTIMA
829674, 829675	MARINE HYDROL. COLLAGEN