

# International Raw Material Data Sheet

## Hydrogenated Castor Oil

Date:	12.01.2001	Real subst.-no.:	19034
Modification date:	09.12.2022, 27.06.2023	Printed:	14.12.22
Reason for modification:	New manufacturer/supplier	Page:	1 of 5
Substance status:	active		

### I. GENERAL DATA

Real substance name: Hydrogenated Castor Oil  
INCI: Hydrogenated Castor Oil  
Optiva Raw Material Number: R000461  
Conforms to:  
Purpose of use: Consistency regulator  
Origin: vegetable  
Approved by: Hippe, T. Tel.: +49(0)4088242462  
Tasker, R. Tel.: +1-203-875-9329

CITES listed:

### II. LINKED MATERIALS

IDH-no.	Material short text
196039	Castor oil hydrogenated

### III. COMPOSITION

CAS no.	Chemical substance	Value	Lower	Upper	Exp
8001-78-3	Hydrogenated castor oil	100,00			%

### IV. SPECIFIED CHARACTERISTICS

#### 1. General characteristics

Delivery form: powder, flakes  
State: free-flowing  
Odour: fatty  
Colour: white, light yellow

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### 2. Physical-chemical characteristics

No	Parameter	Range of values	Method
1	Content [mass%] Water	< 0,1 %	Supplier method
2	Content [mass%] Heavy metals	< 10 ppm	Supplier method
3	Content [mass%] Arsenic	< 1 ppm	Supplier method
4	Sulfate ash	< 0,1 %	Supplier method
5	ash content/ignition residues	< 0,1 %	Supplier method
6	Acid number	< 3,1 mg KOH/g	Supplier method
7	Saponification number	175 - 185 mg KOH/g	Supplier method
8	Iodine number	< 5 g I/100 g	Supplier method
9	Hydroxyl value	145 - 180 mg KOH/g	Supplier method
10	Melting point	85 - 88 °C	Supplier method
11	Flash point	> 200 °C	Supplier method
12	Microorganism content/ microbiological load (Total microorganism count; free of pathogenic indicators)	< 100 CFU/g	Supplier method

### 3. Certificate of analysis

<b>The following parameters are to be certified for each delivery.:</b>
Acid number
Iodine number
Hydroxyl number

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### V. APPROVED MANUFACTURERS/SUPPLIERS

Trade name	Producer/supplier	Role	For plant
Cutina HR	BASF SE	Manufacturer, Supplier	All plants
ALBERDINGK HCO Pulver 82-105	Alberdingk Boley GmbH	Manufacturer, Supplier	All plants
ALBERDINGK HCO Flakes 82	Alberdingk Boley GmbH	Manufacturer, Supplier	All plants
ALBERDINGK HCO Flakes 82	HSH CHEMIE, zastopanje in manufacturer: Alberdingk Boley GmbH	Supplier	All plants
	OOO "Bio-Him"	Supplier	For CIS ONLY
Cutina HR Powder	BASF Corporation	Manufacturer, Supplier	All NA PROF Plants (Sexy Hair, Alterna, Kenra)
RIC-SYN WAX	BYK USA Inc.	Manufacturer, Supplier	Zotos Plants (Integration)

### VI. INCOMING GOODS CONTROL

Delivery form: powder, flakes  
State: free-flowing  
Colour: white, light yellow

#### 1. Regions: Europe, Asia Pacific, India, Middle East and Africa, Latin America

No	Parameter	Range of values	Method
1	Visual appearance versus standard	Corresponds to the standard	1869600
2	Odor evaluation versus standard	Corresponds to the standard	70500
3	Saponification number Sample weight: 1,5 - 2,0 g	175,0 - 185,0 mg KOH/g	48300
4	Melting point	85,0 - 88,0 °C	47800
5	IR-Spectroscopy	Identical to standard spectrum	51600
6	Certification of manufacturer (Certificate of analysis)	Certificate submitted	65300

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No	Method	Code	Method short text
1	1869600	A00.1	Appearance
2	70500	G00.1	Odour (compared to standard)
3	48300	V01.0	Saponification number
4	47800	S04.4	Melting point (melting point microscope)
5	51600	IR.1	IR spectroscopy
6	65300	Z00.1	Certificate by supplier has to be present and correspond to our requirements

### 2. Region: North America

No	Parameter	Target value	Value / Range of values	Method
1	Visual appearance versus standard	Corresponds to the standard		1869600
2	Odor evaluation versus standard	Corresponds to the standard		70500
3	Saponification number Sample weight: 1,5 - 2,0 g	180,0 mg KOH/g	175,0 - 185,0 mg KOH/g	48300
4	IR-Spectroscopy	Identical to standard spectrum		51600

No	Method	Code	Method short text
1	1869600	A00.1	Appearance
2	70500	G00.1	Odour (compared to standard)
3	48300	V01.0	Saponification number
4	51600	IR.1	IR spectroscopy

## VII. STORAGE AND HANDLING

Storage conditions: Store in a dry place.  
Keep container tightly sealed.

Temperature limits: - 30 °C

Max. storage period: 12 Months

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### VIII. REGULATORY INFORMATION

#### International regulations

Extract of safety data sheet; complete information has to be taken of the safety data sheet of the manufacturer/supplier.

#### EU GHS Classification and Labeling according Regulation (EC) No 1272/2008

##### Labeling

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

##### Classification EU

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

#### National regulations

Water hazard class (DE): Classified as not water-endangering  
Germany. Ordinance on Facilities Handling Substances that  
are Hazardous to Water, ((AwSV of 21 April 2017), UBA, BAnz  
AT), as amended  
Origin of data: Appendix 1/2

Storage class according to VCI 11  
(DE):

Regulatory Information (USA): On TSCA inventory, not subject to Section 12(b).

Regulatory Information  
(Canada): On DSL.