SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: HCA
UFI: KT40-H0E8-R009-VY8V

1.2 Application of the mixture: Hypo clearing agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Moersch Photochemie
Am Heideberg 48
50354 Hürth
Tel.: + 49(0)2233-943137
Fax: + 49(0)2233-943138
E-Mail: wolfgang@moersch-photochemie.de
www.moersch-photochemie.de

1.4 Emergency telephone number:

Poison Information Centre Berlin (Germany): +49 (0) 30 - 30686 790

SECTION 2: Hazards identification

2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

This mixture does not meet the criteria for classification.

2.2 Label elements

Labelling iaccording to Regulation (EC) No 1272/2008 (CLP)

not required

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

SECTION 3: Composition/information on ingredients

Chemical characterisation: Mixture
Contains:

Identifier	Substance	Classification	% w/w
CAS-No.: 7757-83-7 EC-No: 231-821-4 REACH: 01-2119537420-49-XXXX	Sodium sulfite	Not classified	90,00 %
CAS-No.: 7681-57-4 EC-No.: 231-673-0 REACH Reg.-No. 01-2119531326-45-xxxx	Sodium disulfite	Acute Tox. 4; Eye Dam. 1	<3 %
CAS-No: 13235-36-4 EC-No.: 603-569-9	Ethylenediamine tetraacetic acid tetrasodium salt tetrahydrate	Acute Tox. 4; Eye Dam. 1	4-6 %
CAS-No.: 6132-04-3 EC-No: 200-675-3 REACH Reg.-No. 01-2119457027-40-xxxx	tri-Natriumcitrat-Dihydrat	Not classified	<3%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take off contaminated clothing
After skin contact: Immediately rinse with water.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

Vomiting

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

co-ordinate firefighting measures to the fire surroundings!
water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder

Unsuitable extinguishing media
water jet

5.2 Special hazards arising from the substance or mixture
Combustible.
Hazardous combustion products
In case of fire may be liberated: Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes. Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Do not breathe dust. Ensure adequate ventilation

6.2 Environmental precautions:
Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up:
Advice on how to contain a spill
Covering of drains. Take up mechanically.
Advice on how to clean up a spill
Take up mechanically. Control of dust.
Other information relating to spills and releases
Place in appropriate containers for disposal.

6.4 Reference to other sections
Hazardous combustion products: see section 5.
Personal protective equipment: see section 8.
Incompatible materials: see section 10.
Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provision of sufficient ventilation. Avoid dust formation.

Measures to prevent fire as well as aerosol and dust generation

Removal of dust deposits.

Measures to protect the environment

Avoid release to the environment.

Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place. Protect from sunlight.

Incompatible substances or mixtures

Observe hints for combined storage. Incompatible materials: see section 10.

Consideration of other advice:
Ventilation requirements
Use local and general ventilation.

Specific designs for storage rooms or vessels
Recommended storage temperature: 15 – 25 °C

7.3 Specific end use:

Wash aid

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values
Occupational exposure limit values (Workplace Exposure Limits)
This product, as supplied, does not contain harmful substances with occupational exposure limits set by the authority responsible for the region.

8.2 Exposure controls

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection.

Skin protection
Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

Type of meterial
NBR (nitrile rubber)
Material thickness
>0,11 mm
Breakthrough times of the glove material
>480 minutes (permeation: level 6)

Environmental exposure controls
Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

General information Form: Colour: Odour:	 powder white odourless
Change in condition Melting point/freezing point Boiling point/boiling range	 not determined not determined
Flash point	not applicable
Flammability	this material is not combustible
Lower and upper explosion limit	not relevant (solid)
Vapour pressure at 20° C	not determined
Density at 20° C	not determined
Solubility in/Miscibility with water	fully miscible
pH-Value at 20° C	9.5

SECTION 10: Stability and reactivity

10.1 Reactivity
This mixture is not reactive under normal ambient conditions.
10.2 Chemical stability
The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous reactions
Violent reaction with: Strong oxidisers
10.4 Conditions to avoid
UV-radiation/sunlight. Keep away from heat and cold.

10.5 Incompatible materials
There is no additional information.
10.6 Hazardous decomposition products
Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.
GHS of the United Nations, annex 4. May be harmful if swallowed or in contact with skin.

Data concerning Sodium sulfite

Exposure route	Endpoint	Value	Species	Source
oral	LD50	>2000 mg/kg	rat	ECHA
dermal	LD50	>2000 mg/kg	rabbit	ECHA

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

• If swallowed

Data are not available.

• If in eyes

Data are not available.

• If on skin

Causes skin irritation.

• Other information

Health effects are not known.

11.2 Endocrine disrupting properties
Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

11.3 Information on other hazards
There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Is not classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)

Endpoint	Value	Species	Source	Exposure time
EC50	89mg/l	aquatic invertebrates	ECHA	48 h
LC50	<646mg/l	fish	ECHA	96 h

12.2 Persistence and degradability: Data are not available.
12.3 Bioaccumulative potential: Data are not available.
12.4 Mobility in soil: Data are not available.
12.5 Results of PBT and vPvB assessment: Data are not available.
12.6 Endocrine disrupting properties
Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.
Sewage disposal-relevant information
Do not empty into drains.
Waste treatment of containers/packagings
It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled

SECTION 14: Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	is not subject to transport regulations
14.2 UN proper shipping name ADR, IMDG, IATA	no dangerous good
14.3 Transport hazard classes ADR, ADN, IMDG, IATA	none
14.4 Packing group ADR, ADN, IMDG, IATA	not assigned

14.5 Envirolmental hazards Marine pollutant:	not hazardous to the environment according to dangerous goods regulations
14.6 Special precautions for user	no additional information is available

14.7 Transport in bulk according to annex II of Marpol and the IBC code	not transported in bulk

14.8 Information according to the individual UN model regulations

Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN) - Additional information

Not subject to ADR, RID and ADN regulations.

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG regulations.

International Civil Aviation Organisation (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture .
Relevant provisions of the European Union (EU)
Restrictions according to REACH, Annex XVII
none of the ingredients are listed
List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list
none of the ingredients are listed

Seveso Directive
not assignet

Deco-Paint Directive
VOC-content 0 %

Industrial Emissions Directive (IED)
VOC-content 0 %

Water Framework Directive (WFD)
none of the ingredients are listed

Regulation on substances that deplete the ozone layer (ODS)
none of the ingredients are listed

Regulation concerning the export and import of hazardous chemicals (PIC)
none of the ingredients are listed

Regulation on persistent organic pollutants (POP)
none of the ingredients are listed

15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H-Phrases

none

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative