

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

1 Identification

Product identifier

Trade name: 8019 Osmo Intensive Cleaner

Application of the substance / the mixture Cleaning agent/ Cleaner

Details of the supplier of the safety data sheet

Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
Affhüppen Esch 12
D-48231 Warendorf
Germany

Information department: Product safety department

Emergency telephone number: 24h-Emergency Phone Number:
For Chemical Emergency, Spill; Leak; Fire Exposure or Accident Call Day or Night within USA and Canada 1-800-424-9300
Outside USA and Canada 001-703-527-3887 (WISAG FMO cargo Services GmbH & Co.KG)

2 Hazard(s) identification

Classification of the substance or mixture

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS05

Signal word

Danger

Hazard-determining components of labeling:

Hazard statements disodium metasilicate
H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves / eye protection.

P302+P352 If on skin: Wash with plenty of water.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P404 Store in a closed container.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Reacts with acid under evolution of heat. Risk of splashing!

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: 8019 Osmo Intensive Cleaner

(Contd. of page 1)

Observe the general safety regulations when handling chemicals.

Classification system:**NFPA ratings (scale 0 - 4)**

Health = 3

Fire = 0

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 3

Fire = 0

Reactivity = 0

Other hazards

Clean skin thoroughly immediately after handling the product.

Results of PBT and vPvB assessment**PBT:**

Not applicable.

vPvB:

Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures**Description:**

Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

6834-92-0	disodium metasilicate	⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; STOT SE 3, H335	2.5-10%
-----------	-----------------------	--	---------

4 First-aid measures

Description of first aid measures**General information:**

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Do not induce vomiting; immediately call for medical help.

Rinse out mouth and then drink plenty of water.

Information for doctor:**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media**Suitable extinguishing agents:**CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS



Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: 8019 Osmo Intensive Cleaner

(Contd. of page 2)

For safety reasons unsuitable

extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.
Nitrogen oxides (NOx)
Carbon monoxide (CO)

Advice for firefighters Concentrated product is not flammable.

Protective equipment: Wear self-contained respiratory protective device.

Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Warm water and cleansing agent
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of the collected material according to regulations.

Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-1:		
6834-92-0	disodium metasilicate	3.8 mg/m3
PAC-2:		
6834-92-0	disodium metasilicate	42 mg/m3
PAC-3:		
6834-92-0	disodium metasilicate	250 mg/m3

7 Handling and storage

Handling:

Precautions for safe handling Keep receptacles tightly sealed.
Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: 8019 Osmo Intensive Cleaner

(Contd. of page 3)

Information about protection

against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by**

storerooms and receptacles: Store only in the original receptacle.

Information about storage in one

common storage facility: Do not store together with acids.

Further information about**storage conditions:**

Protect from frost.

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class:

12

Specific end use(s)

No further relevant information available.

8 Exposure controls/personal protection

Additional information about

design of technical systems: No further data; see item 7.

Control parameters**Components with limit values that****require monitoring at the****workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists that were valid during the creation were used as basis.

Exposure controls**Personal protective equipment:****General protective and hygienic****measures:**

Do not carry product impregnated cleaning cloths in trouser pockets.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Wash hands before breaks and at the end of work.

Breathing equipment:

Not necessary if room is well-ventilated.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: 8019 Osmo Intensive Cleaner

(Contd. of page 4)

	calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the permanent contact gloves made of the following materials are suitable:	Nitrile rubber, NBR
As protection from splashes gloves made of the following materials are suitable:	Nitrile rubber, NBR
Eye protection:	If risk of splashing: Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)
Body protection:	When transferring or diluting: plastic apron

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Color:	Pale
Odor:	Mild
Odor threshold:	Not determined.

pH-value (10 g/l) at 20 °C (68 °F): 10.9

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)

Density at 20 °C (68 °F): 1.068 g/cm³ (8.912 lbs/gal) (DIN 51757)

Relative density Not determined.

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: 8019 Osmo Intensive Cleaner

(Contd. of page 5)

Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20 °C (68 °F):	32 mPas
Kinematic:	> 30 s (ISO 3mm)
Solvent content:	
VOC content:	0.0 g/l / 0.00 lb/gl
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity	No further relevant information available.
Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions	Strong exothermic reaction with acids.
Conditions to avoid	Heating above 80 ° C, frost
Incompatible materials:	Caution! Do not use with other products.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)

11 Toxicological information**Information on toxicological effects****Acute toxicity:****Primary irritant effect:**

on the skin:	No irritant effect.
on the eye:	No irritating effect.
Sensitization:	No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

Carcinogenic categories**IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: 8019 Osmo Intensive Cleaner

(Contd. of page 6)

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** Easily biodegradable**Method:** OECD (19 days)**Analyzing method:** 301 c**Degree of elimination:** > 90%**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** In dilution no effect of the biological sewage treatment plant.**Additional ecological information:****CSB-value:** ~ 400 mg/g**AOX-indication:** free**General notes:** Water hazard class 2 (Self-assessment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.**Uncleaned packagings:****Recommendation:** Packaging can be reused or recycled after cleaning.**Recommended cleansing agent:** Water, if necessary with cleansing agents.

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: 8019 Osmo Intensive Cleaner

(Contd. of page 7)

14 Transport information

UN-Number <i>DOT, ADR, ADN, IMDG, IATA</i>	Void
UN proper shipping name <i>DOT, ADN, IMDG, IATA</i> <i>ADR</i>	Void Void
Transport hazard class(es) <i>DOT, ADR, ADN, IMDG, IATA</i> <i>Class</i>	Void
Packing group <i>DOT, ADR, IMDG, IATA</i>	Void
Environmental hazards: <i>Marine pollutant:</i>	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	Void

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: 8019 Osmo Intensive Cleaner

(Contd. of page 8)

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS05

Signal word

Danger

Hazard-determining components of labeling:

disodium metasilicate

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves / eye protection.

P302+P352 If on skin: Wash with plenty of water.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P404 Store in a closed container.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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.

Department issuing SDS: product safety department

Contact: Hr. Dr. Starp

Date of preparation / last revision 05/24/2018 / 2

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)

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: 8019 Osmo Intensive Cleaner

(Contd. of page 9)

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

*** Data compared to the previous
version altered.**