Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/11/2017 Reviewed on 12/11/2017

1 Identification

1.1 Product identifier

Trade name: **8021 Osmo Polymer Composite Cleaner**

Application of the substance / the mixture Cleaning agent/ Cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Supplier:
Osmo Wood and Colour Canada Ltd.
5515 – 92 ST NW
Edmonton, Alberta T6E 3A4
Canada
Tel: 001 (877) 746 6583
E-mail: info@osmo.ca

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

Information department:
Product safety department
Phone: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

1.4 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)

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2 Hazard identification

2.1 Classification of the substance or mixture

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

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Classification and labeling according to the Globally Harmonized System (GHS). Classification and labeling according to the Globally Harmonized System (GHS).

Hazard pictograms

GHS05

(Contd. on page 2)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 12/11/2017 Reviewed on 12/11/2017

Trade name: 8021 Osmo Polymer Composite Cleaner

(Contd. of page 1)

Signal word Danger

Hazard-determining components of labeling: disodium metasilicate

Hazard statements
H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P264	Wash 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!
Observe the general safety regulations when handling chemicals.

Hazard description:
WHMIS-symbols: D2B - Toxic material causing other toxic effects

Classification system:
NFPA ratings (scale 0 - 4) Health = 3
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4) Health = 3
Fire = 0
Reactivity = 0

2.3 Other hazards Clean skin thoroughly immediately after handling the product.

3 Composition/Information on ingredients

3.2 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	1-5%

4 First aid measures

4.1 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.

(Contd. on page 3)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 12/11/2017 Reviewed on 12/11/2017

Trade name: 8021 Osmo Polymer Composite Cleaner

(Contd. of page 2)

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.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Firefighting measures

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

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 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)

5.3 Advice for firefighters
Protective equipment: Concentrated product is not flammable.
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

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

6.3 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.

6.4 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.

(Contd. on page 4)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 12/11/2017 Reviewed on 12/11/2017

Trade name: 8021 Osmo Polymer Composite Cleaner

(Contd. of page 3)

7 Handling and storage

7.1 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.

Information about protection against explosions and fires: No special measures required.

7.2 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

7.3 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.

8.1 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.

8.2 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.

(Contd. on page 5)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 12/11/2017 Reviewed on 12/11/2017

Trade name: 8021 Osmo Polymer Composite Cleaner

(Contd. of page 4)

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 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

9.1 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:	10,9
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.

(Contd. on page 6)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 12/11/2017 Reviewed on 12/11/2017

Trade name: 8021 Osmo Polymer Composite Cleaner

(Contd. of page 5)

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:	23 hPa
Density at 20 °C:	1,068 g/cm³ (DIN 51757)
Relative density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20 °C:	32 mPas
Kinematic:	> 30 s (ISO 3mm)
9.2 Other information	No further relevant information available.

10 Stability and reactivity

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

11 Toxicological information

11.1 Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.
Primary irritant effect:
on the skin: Causes skin irritation.
on the eye: Causes serious eye damage.

(Contd. on page 7)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 12/11/2017 Reviewed on 12/11/2017

Trade name: 8021 Osmo Polymer Composite Cleaner

(Contd. of page 6)

Sensitization: Based on available data, the classification criteria are not met.
Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients is listed.

NTP (National Toxicology Program)
None of the ingredients is listed.

12 Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability Easily biodegradable
Method: OECD (19 days)
Analyzing method: 301 c
Degree of elimination: > 90%
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
Ecotoxical effects:
Remark: In dilution no effect of the biological sewage treatment plant.
Additional ecological information:
CSB-value: ~ 400 mg/g
AOX-indication: free
According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC: none
General notes: Water hazard class 2 (Self-assesment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

13.1 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.

(Contd. on page 8)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 12/11/2017 Reviewed on 12/11/2017

Trade name: 8021 Osmo Polymer Composite Cleaner

(Contd. of page 7)

Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

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

15 Regulatory information

15.1 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.

Canadian substance listings:

Canadian Domestic Substances List (DSL)
All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)
None of the ingredients is listed.

(Contd. on page 9)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/11/2017 Reviewed on 12/11/2017

Trade name: 8021 Osmo Polymer Composite Cleaner

(Contd. of page 8)

Canadian Ingredient Disclosure list (limit 1%)	
6834-92-0	disodium metasilicate

15.2 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.

Relevant phrases H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Department issuing SDS: product safety department
Contact: Hr. Dr. Starp
Date of preparation / last revision 12/11/2017 / 2
Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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