

SUFFUSION® GRANULAR

EPA Registration Number: NA

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name: SUFFUSION GRANULAR

Product type: Granular Concentrate

EPA Registration No.: NA

Identified uses: A wetting, penetrating,
and re-wetting agent

Details of the supplier of the safety data sheet

Company information : OHP, Inc.
PO Box 51230
Mainland, PA 19451
(800) 659-6745

Emergency telephone number

TRANSPORTATION EMERGENCY

(24 hours a day) call : Chemtrec: 1-800-424-9300

MEDICAL EMERGENCY (24 hours a day) and Product

Information call: 1-800-356-4647

SDS Information

or Request: ohp.com

Label elements

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

Hazard pictograms



GHS05 GHS08 GHS07

Signal word: Danger

Hazard-determining

components of labeling . . : Alcohols, ethoxylate
cristobalite
Quartz (SiO2)

Hazard statements: Causes serious eye
damage.
Causes skin irritation.
Causes serious eye
irritation.
Harmful if swallowed.
May cause cancer.

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture



GHS08 Health hazard

Carc. 1A: H350 May cause cancer.



GHS07 Irritant

Skin Irrit.: 2 H315
Causes skin irritation.

Eye Irrit.: 2A H319
Causes serious eye
irritation



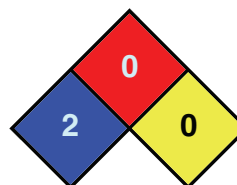
GHS05 Corrosion

Eye Dam. 1: H318 Causes serious eye
damage.

Precautionary statements . . : If medical advice is need-
ed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Wear protective gloves.
Wear eye protection / face protection.
If in eyes: Rinse cautiously with water for several
minutes. Remove contact lenses, if present and easy
to do.
Continue rinsing.
Immediately call a poison center/doctor.
If exposed or concerned: Get medical advice/atten-
tion.
Store locked up.
Dispose of contents/container in accordance with lo-
cal/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)



Health = 2
Fire = 0
Reactivity = 0

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HMIS-ratings (scale 0 - 4)

HEALTH	2
FIRE	0
REACTIVITY	0

Health = 2
Fire = 0
Reactivity = 0

Other hazards

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:		
14464-46-1	cristobalite	2.5 - 10%
14808-60-7	Quartz (SiO2)	2.5 - 10%
	Alcohols, ethoxylate	2.5 - 10%

4. FIRST AID MEASURES

Description of first aid measures

After inhalation : Use a respiration bag or breathing device.

After skin contact : Immediately rinse with water.
Generally the product does not irritate the skin

After eye contact : Remove contact lenses if able to do so.
Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing : Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.
A person vomiting while lying on their back should be turned onto their side.

Most important symptoms and effects, both acute and delayed . . : Asthma attacks
Coughing
Allergic reactions
Gastric or intestinal disorders
Breathing difficulty

Danger : Danger of impaired breathing

Indication of any immediate medical attention and special treatment needed : Medical supervision for at least 48 hours.
In cases of irritation to the lungs, initial treatment with Dexamethason metered aerosol.

5. FIREFIGHTING MEASURES

Extinguishing media

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

Special hazards arising from the substance or mixture : No further relevant information available.

Advice for firefighters

Protective equipment : No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures . . . : Not required.

Environmental precautions : Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

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.

7. HANDLING AND STORAGE

Precautions for safe handling : Provide suction extractors if dust is formed.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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

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Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles : No special requirements.

Information about storage in one common storage facility : Not required.

Further information about storage conditions : None.

Specific end use(s) : No further relevant information available.

Protection of hands : 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 : Neoprene gloves
PVC or PE gloves
Nitrile rubber, NBR
Butyl rubber, BR

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.

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:	
14464-46-1 cristobalite	
PEL	½ value from respirable dust formulae for Quartz
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m³ *as respirable fraction
14808-60-7 Quartz (SiO2)	
PEL	see Quartz listing
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m³ *as respirable fraction

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures : Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.

Breathing equipment : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection



Tightly sealed goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance:

Form : Granular

Color : Light brown

Odor : Oderless

Odour threshold : Not determined.

pH-value : Not determined.

Change in condition

Melting point/

Melting range : Undetermined.

Boiling point/

Boiling range : > 999 °C (> 1830 °F)

Flash point : Not applicable

Flammability

(solid, gaseous) : Not applicable.

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Ignition temperature

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: Not determined.

Density: Not determined.

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Partition coefficient

(n-octanol/water): Not determined.

Viscosity:

Dynamic: Not determined.

Kinematic:: Not determined.

Solvent content:

Organic solvents: 0.0 %

Water: 2.0 %

Solids content: 98.0%

Other information: No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity

Chemical stability

Thermal decomposition / conditions

to be avoided: No decomposition if used according to specifications.

Possibility of

hazardous reactions: Reacts with strong acids and oxidizing agents.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition

products: Nitrogen oxides
Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: Strong irritant with the danger of severe eye injury.

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)

14464-46-1	crystalalite	1
14808-60-7	Quartz (SiO ₂)	1

NTP (National Toxicology Program)

14464-46-1	crystalalite	K
14808-60-7	Quartz (SiO ₂)	K

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: No further relevant information available.

Bioaccumulative

potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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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 : Small quantities can be disposed of with household garbage.
Uncleaned packagings:
Recommendation : Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN number : Not regulated
UN proper shipping name : Not regulated
Transport hazard class(es)
DOT : Not applicable
Packing group : Not applicable
Environmental hazards : No
Marine pollutant
Special marking (IATA)
Special precautions for user
Danger code (Kemler) : Not applicable
EMS Number
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code : Not applicable
Transport/Additional information:
IMDG
Limited quantities (LQ) : Not applicable
Excepted quantities (EQ) : Not applicable
UN "Model Regulation" : Not applicable

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:

14464-46-1 cristobalite
14808-60-7 Quartz (SiO2)

Chemicals known to cause reproductive toxicity for females : None of the ingredients is listed.

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.

Carcinogenic categories

EPA (Environmental Protection Agency) : None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

14464-46-1 cristobalite A2
14808-60-7 Quartz (SiO2) A2

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

14464-46-1 cristobalite
14808-60-7 Quartz (SiO2)

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

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Hazard pictograms



GHS05 GHS08 GHS07

Signal word: Danger

Hazard-determining components of labeling ..: Alcohols, ethoxylate cristobalite Quartz (SiO₂)

Hazard statements.....: Causes serious eye damage.
Causes skin irritation.
Causes serious eye irritation.
Harmful if swallowed.
May cause cancer.

Precautionary statements: If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Wear protective gloves.
Wear eye protection / face protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center/doctor.
If exposed or concerned: Get medical advice/attention.
Store locked up.
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.

Date of preparation / last revision: 05/06/2015

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

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)

Eye Dam. 1.....: Serious eye damage/eye irritation, Hazard Category 1

Carc. 1A.....: Carcinogenicity, Hazard Category 1A