I□□□□i□□□□□:		
CAS 10034-99-8	Magnesium sulfate heptahydrate	100 %
		Percentages are by weight

SECTION 4: F□□□□ a□i □ □a□□□□□

D□□c□□□□□□□ □□ □□□□□ a□i □ □a□□□□□

A□□□□ □□ □a□a□□□ □:

Move exposed individual to fresh air. Seek medical advice if discomfort or irritation persists.

A□□□□ □□□□ c□□□ac□:

Wash affected area with soap and water. Rinse thoroughly.

A□□□□ □□□ c□□□ac□:

Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

A□□□□ □□ a□□□ □□□□:

Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

M□□□□□ □□□□a□□ □□ □ □□□ □ □ a□i □□□□c□□, b□□□ ac□□□ a□i i□□a□□ i:

Irritation.

I□i□ca□□□□ □□a□□□□ □ □i□a□ □ □i□ca□ a□□□□□□□□ a□i □□□c□a□□□□a□ □ □□□ □□□i□ i:

If seeking medical attention, provide SDS document to physician.

SECTION 5: F□□□□□□ □□□□□ □ □a□□□□□

E□□□□□ □□□□□□□□ □ □i□a

S□□□ab□□ □□□□□□□□□□□□□ a□□□□□:

If in laboratory setting, follow laboratory fire suppression procedures.

U□□□□□□ab□□ □□□□□□□□□□□□ a□□□□□: None

S□□c□a□ □a□a□i□ a□□□□□□ □□□□ □□□ □□b□□a□c□ □□ □□□□□□□□:

Combustion products may include carbon oxides or other toxic vapors. Thermal decomposition can lead to release of irritating gases and vapors. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

A i□□c□ □□□ □□□□□□□ □□□□□:

P□□□□c□□□□ □□□□□ □ □□□:

Use NIOSH-approvG□□□□□haza-appr a□□□□□□□□□□□□□□□□□□□□□□□□□□qt□□□□□□□ □□□□□□d0□□□□□□□□

recovery or disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

R□□□□□□c□ □□ □□□□□ □□c□□□ □ □: None

SECTION 7: Ha□ i□□□ □ a□ i □□□□a□ □

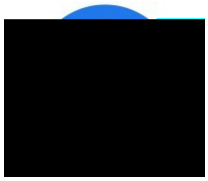
P□□ca□□□□ □ □ □□□ □a□□ □a□ i□□□ □:

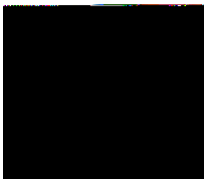
Minimize dust generation and accumulation. Wash hands after handling. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Do not eat, drink, smoke, or use personal products when handling chemical substances. Use only in well ventilated areas. Avoid contact with eyes, skin, and clothing.

C□ □ i□□□□ □ □ □□□ □a□□ □□□□a□ □, □□c□□ i□□ □ a□ □ □c□ □ □a□b□□□□□ □:

Store in a cool location. Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store away from oxidizing agents. Store in cool, dry conditions in well sealed containers. Keep container tightly sealed.

SECTION 8: E□ □ □ □ □ □ □ c□ □ □ □ □ □ □/□ □ □ □ □ □ a□ □ □ □ □ c□□□ □





C□ □ □ □ □ Pa□a □ □ □ □ □:	10034-99-8, Nuisance dust, ACGIH TLV TWA:10mg/m3 (inhalable particles). 10034-99-8, Nuisance dust, OSHA PEL TWA: 15 mg/m3 (total dust).
A□ □ □ □ □ □ □a□□ E□ □ □ □ □ □ □ □ □ c□ □ □ □ □ □ □:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or dusts (total/respirable) below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Use under a fume hood. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).
R□ □ □ □ □a□ □ □ □ □ □ □ □c□ □ □:	Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present. For spills, respiratory protection may be advisable. Use suitable respiratory protective device when dust and particulates are formed.
P□ □ □ □c□□□ □ □□ □ □ □□:	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation being used/handled. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
E□ □ □ □ □ □ □c□□□ □:	Safety glasses with side shields or goggles.
G□ □ □ □a□ □ □ □ □ □ □c □ □a□ □ □ □ □:	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/mist/vapor/aerosols. Avoid contact with the eyes and skin.

SECTION 9: P□ □ □ □ca□ a□ i c□ □ □ □ca□ □ □ □ □ □ □ □ □ □

Ma□□□□□□ □ S□□□a□□, Lab G□ai□

A□□□a□a□c□ (□□□□□ca□ □□a□□, c□□□□):	colorless solid	E□□□□□□□ □□ □□□ □□ □□□: E□□□□□□□ □□ □□ □□□□□:	Not Determined Not Determined
O□□□:	Odorless	Va□□□ □□□□□□□□ a□ 20 C:	< 0.133 hPa (< 0.100 mmHg) at 20 °C (68 °F)
O□□ □□□□□□□□i:	Not Determined	Va□□ i□□□□□□:	Not Determined
□H-□a□□□:	5 - 8.2 (5% aq.sol.)	R□□a□□□ i□□□□□□:	1.67 g/cm3
M□□□□□□/F□□□□□□ □ □□□□:	Not Determined	S□□□b□□□□□□:	Soluble in Water.
B□□□□ □ □□□□/B□□□□ □a□□□:	Not Determined	Pa□□□□□□ c□□□□c□□□ (□-□c□a□□/□a□□):	Not Determined
F□a□ □□□□ (c□□□i c□□):	Not Determined	A□□/S□□-□□ □□□□□ □□ □□a□□□:	Not Determined
E□a□□a□□□ □a□□:	Not Determined	D□c□ □□□□□□ □□ □□a□□□:	150°C
F□a □ ab□□□□ (□□i, □a□□□□):	Not Determined	V□□c□□□□:	a. Kinematic: Not Determined b. Dynamic: Not Determined
D□□□□ a□ 20 C:	Not Determined		

SECTION 10: S□ab□□□ a□ i □ac□□□□

R□ac□□□□□:

Nonreactive under normal conditions.

C□ □ □ca□ □ab□□□□:

No decomposition if used and stored according to specifications.

P□□□b□ □a□a□i□□ □ac□□□□: None

C□ i□□□□ □ □ a□□i:

M b : No additional information.
O a i c: No additional information.

SECTION 13: D a c i a

Wa i a c i a :

Product/containers must not b

Ma[illegible] S[illegible]a[illegible], Lab G[illegible]

C[illegible] [illegible]ca[illegible] [illegible] [illegible] [illegible] ca[illegible] ca[illegible]:

None of the ingredients are listed.

C[illegible] [illegible]ca[illegible] [illegible] [illegible] [illegible] ca[illegible] [illegible] [illegible] i[illegible]c[illegible] [illegible] [illegible]c[illegible] [illegible] [illegible] a[illegible]:

None of the ingredients are listed.

C[illegible] [illegible]ca[illegible] [illegible] [illegible] [illegible] ca[illegible] [illegible] [illegible] i[illegible]c[illegible] [illegible] [illegible]c[illegible] [illegible] [illegible] a[illegible]:

None of the ingredients are listed.

C[illegible] [illegible]ca[illegible] [illegible] [illegible] [illegible] ca[illegible] i[illegible] [illegible] [illegible] [illegible] a[illegible] [illegible]c[illegible]:

None of the ingredients are listed.

Ca[illegible]a i a

Ca[illegible]a i[illegible]a[illegible] D[illegible] [illegible] [illegible]c S[illegible]b[illegible]a[illegible]c[illegible] L[illegible] (DSL):

All ingredients are listed.

Ca[illegible]a i[illegible]a[illegible] NPRI I[illegible] [illegible] i[illegible] [illegible] D[illegible]c[illegible] [illegible] [illegible] [illegible] (0.1%):

None of the ingredients are listed.

Ca[illegible]a i[illegible]a[illegible] NPRI I[illegible] [illegible] i[illegible] [illegible] D[illegible]c[illegible] [illegible] [illegible] [illegible] (1%):

None of the ingredients are listed.

SECTION 16: O[illegible] [illegible] [illegible] [illegible] a[illegible]

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

GHS F[illegible] T[illegible] P[illegible]a[illegible]: None

Abb[illegible]a[illegible] a i Ac[illegible]:

IMDG International Maritime Code for Dangerous Goods.
PNEC Predicted No-Effect Concentration (REACH).
CFR Code of Federal Regulations (USA).
SARA Superfund Amendments and Reauthorization Act (USA).
RCRA Resource Conservation and Recovery Act (USA).
TSCA Toxic Substances Control Act (USA).

Material Safety, Lab Guide

Effective date: 12.17.2014
Last revision date: 05.20.2015