

Onesteel Recycling

Dust Management Program



What does Onesteel Recycling do at Brooklyn



What are we doing to minimise dust

- Awareness – Identify all sources
- Reduction – Engineering controls (wheel wash)
- Separation – Equipment isolated to specific areas
- Suppression – Water & suppressants
- Track performance – Verification & accountability
- Continuous improvement – ongoing review of site activities to improve performance

Reduction - Wheel Washing



Suppression - Water



Water Truck Log Sheet

Date	Time In	Time Out	Signature	Comments
16/1/14	2:05	2:39	BIREN	44°C very Hot temp
17/1/14	6:30	6:45	MATT	DRY
17/1/14	8:46	9:22	BIREN	44°C very Hot temp
17/1/14	12:00	12:42	BIREN	"
17/1/14	2:15	2:45	BIREN	"
20-1-14	6:30	6:40	MATT	DRY
20/1/14	8:50	9:10	BILL	OVERCAST
20/1/14	7:10	7:30	BILL	" "
21-1-14	6:10	6:30	MATT	"
21/1/14	12:30	12:50	BILL	" "
22/1/14	6:30	6:50	BILL	OVERCAST
22/1/14	12:06	12:25	MATT	CLEAR 25°
22/1/14	16:30	16:52	MICK	CLEAR 30°
23/1/14	9:15 am	9:35	BILL	CLEAR 33°
23/1/14	6:20	6:40	MATT	DRY 40°
23/1/14	8:55	9:15	BILL	DRY + WINDY 30°/40°
23/1/14	12:20	12:40	BILL	" " 40°
23/1/14	2:22	2:50	BIREN	" " "
29-1-14	6:30	6:50	MATT	" "
30-1-14	6:20	6:40	MATT	COOL - DRY
"	10:50	11:10	"	" "
31-1-14	6:20	6:40	"	" "
31/1/14	9:00	9:30	BIREN	DRY 23°C
31/1/14	12:45	1:05	BILL	HOT 30°C
3-2-14	6:30	6:40	MATT	DRY OVERCAST
3-2-14	8:45	9:05	BILL	" "
3/2/14	11:50	12:10	BILL	DRY + WINDY
4-2-14	6:30	6:50	MATT	" "
4/2/14	10:50	11:10	BILL	" "
5-2-14	6:10	6:30	MATT	" "
5/2/14	8:05	8:25	BILL	DRY + 30°C
5/2/14	11:00	11:20	BILL	" "
6-2-14	6:40	7:00	MATT	COOL + DRY
6/2/14	12:10	12:40	BILL	WINDY + DRY 33°
6/2/14	2:20	2:45	BILL	" "
8/2/14	5:00	5:20	MICK	HOT WINDY
7/2/14	8:10	8:30	BILL	HOT WINDY
7/2/14	1:00	1:25	BILL	" "
10-2-14	6:30	6:40	MATT	COOL DRY
10/2/14	10:20	10:50	BILL	" "

Reduction - Suppression



MATERIAL SAFETY DATA SHEET

M.S.D.S - Revised 25/10/2012

IDENTIFICATION

PRODUCT NAME: **DUSTMAG** U.N. NUMBER: None
CHEMICAL NAME: Magnesium Chloride, DANGEROUS GOODS CLASS/ AND SUBSIDIARY RISK: None
 & Magnesium Sulphate
 Aqueous Solution &
 Proprietary Anti-
 Corrosive Additive HAZCHEM CODE: None
 POISONS SCHEDULE: None

SUPPLIER: Rainstorm Dust Control Pty Ltd - Ph: (08) 9452 0255 or (03) 5282 4604

USE/USE

As a dust suppressant and compaction agent; for enrichment of crops and pastures; in concrete and as a fire retardant, NOT intended or approved for direct application to food or as an animal feed supplement.

PHYSICAL DESCRIPTION/PROPERTIES

Slightly viscous, brownish liquid with no odour.

MOLECULAR WEIGHT	95.22, 120.37 g/mol
BOILING RANGE AT 101.3 kPa (C)	110 - 120
MELTING RANGE (C)	Not Applicable
SPECIFIC GRAVITY (water = 1)	1.28 - 1.34
VAPOUR PRESSURE (kPa)	2.0 (approx)
RELATIVE VAPOUR PRESSURE	Not Applicable
VOLATILE COMPONENT (% Vol.)	65 - 70% (Water)
pH (1% aqueous solution)	8 - 9

INGREDIENTS (INCLUDES ALL HAZARDOUS CHEMICALS) - NL

CHEMICAL ENTITY	CAS No.	DISPOSITION
MgCl ₂	7786-30-3	25 - 35%
MgSO ₄	10034-09-88	2 - 4%
Proprietary Anti-Corrosive Additive	-	0.4%
Water	-	Balance

Reduction - Speed restriction



Track Performance – Verification & Responsibility

- Continuous dust monitoring and analysis to assess effectiveness of control measures
- Regular internal compliance audits of administration controls
- Clear dust management responsibilities assigned to site personnel
- Dust awareness training program for all employees



Continuous Journey

Main Sources	Existing	Proposed
Dirt dragged out onto road	Concrete drive to boundary Wheel wash Rumble strip	Increase water truck regularity Improved wheel wash maintenance processes Reducing number of trucks transferring ferrous material
Airborne dust from excavator in yard	Solid road base material (low dust) Water truck	Additional suppressant Increased water truck regularity Improved maintenance of road base