

OLIN CORPORATION -- BALL POWDER PROPELLANT,P/N 10542743-3 -- 1376-01-192-4164

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Product Identification  
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Product ID:BALL POWDER PROPELLANT,P/N 10542743-3

MSDS Date:04/10/1992

FSC:1376

NIIN:01-192-4164

MSDS Number: BPZVJ

=== Responsible Party ===

Company Name:OLIN CORPORATION

Address:120 LONG RIDGE ROAD

Box:1355

City:STAMFORD

State:CT

ZIP:06904-1355

Country:US

Info Phone Num:203-356-2000

E

mergency Phone Num:800-OLIN-911(800-654-6911)

CAGE:99530

=== Contractor Identification ===

Company Name:OLIN CORPORATION

Address:501 MERRITT 7

Box:4500

City:NORWALK

State:CT

ZIP:06856-4500

Country:US

Phone:203-750-3000/800-511-MSDS

CAGE:99530

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Composition/Information on Ingredients  
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Ingred Name:NITROGLYCERIN (NG) (SARA III)

CAS:55-63-0

RTECS #:QX2100000

Fraction by Wt: 0-40%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S,C, 0.2 MG/M3 STEL

ACGIH TLV:S, 0.46 MG/M3; 9293

EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:DIBUTYL PHTHALATE (SARA III)  
CAS:84-74-2  
RTECS #:TI0875000  
Fraction by Wt: 0-10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:POLYESTER ADIPATE  
Fraction by Wt: 0-10%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHYL CENTRALITE  
CAS:85-98-3  
RTECS #:FE0350000  
Fraction by Wt: 0-10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT KNOWN  
ACGIH TLV:NOT KNOWN

Ingred Name:ROSI  
N ACID  
CAS:8050-09-7  
Fraction by Wt: 0-2%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHYL ACETATE (SARA III)  
CAS:141-78-6  
RTECS #:AH5425000  
Fraction by Wt: 0-1.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:DIPHENYLAMINE  
CAS:122-39-4  
RTECS #:JJ7800000  
Fraction by Wt: 0-1.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:N-NITROSODIPHENYLAMINE (SARA III)  
CAS:86-30-6  
RTECS #:

JJ9800000

Fraction by Wt: 0-1.5%

Other REC Limits:NONE RECOMMENDED

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:POTASSIUM NITRATE

CAS:7757-79-1

RTECS #:TT3700000

Fraction by Wt: 0-1.5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM SULFATE

CAS:7778-80-5

RTECS #:TT5900000

Fraction by Wt: 0-1.5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:TIN DIOXIDE.TIN(IV) OXIDE.

CAS:18282-10-5

RTECS #:XQ4000000

Fraction by Wt: 0-1.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG(SN)/M3

AC

GIH TLV:2 MG(SN)/M3

Ingred Name:2-NITRODIPHENYLAMINE

CAS:119-75-5

Fraction by Wt: 0-1.3%

Other REC Limits:NONE RECOMMENDED

Ingred Name:GRAPHITE,NATURAL

CAS:7782-42-5

RTECS #:MD9659600

Fraction by Wt: 0-1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MPPCF RDUST

ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name:CALCIUM CARBONATE.OSHA PEL 5 MG/M3 RESP FRACTION.ACGIH FOR

TOTAL DUST CONTAINING NO ASBESTOS & 38C,SUBJECT TO MECH SHOCK,EXPOSE TO DIRECT LIGHT.

Other Precautions:STORE IN ORIGINAL SHIPPIN

G CONTAINERS FOR EXPLOSION

VENTING PURPOSES.CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL.DO NOT TAKE INTERNALLY.AVOID CONTACT WITH SKIN,EYES,AND CLOTHING. (SEE SUPP DATA)

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATORY PROTECTION NOT NORMALLY NEEDED.IF SIGNIFICANT DUSTING OCCURS,WEAR A NIOSH/MSHA APPROVED DUST RESPIRATOR WITH HIGH EFFICIENCY FILTERS.

Ventilation:LOCAL EXHA

UST VENTILATION IS RECOMMENDED IF SIGNIFICANT DUSTING OCCURS.OTHERWISE,USE GENERAL EXHAUST VENTILATION.

Protective Gloves:IMPERMEABLE GLOVES

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:IMPERVIOUS BOOT,APRON,PROTECTIVE SUIT AND HARD HAT.

Work Hygienic Practices:UPON CONTACT WITH SKIN OR EYES,WASH OFF WITH WATER.REMOVE CONTAMINATED CLOTHING IMMEDIATELY & LAUNDRY BEFORE REUSE.

Supplemental Safety and Health

CONTRACT DAAA09-91-C-0494.BULK DENSITY:0.5-1 G/CC.FIRE

FIGHT PROC:OR

EXPLOSIVE RESISTANT BUNKER.SPILL PROC:OVERFLOW DAM WITH FILTRATION CAPABILITIES TO RETAIN MATERIAL.DIVERT WATER FLOW OR STOP IF POSSIBLE. GATHER WET MATERIAL.KEEP MATERIAL DAMP.OTHER PREC:SHelf LIFE INDEFINITE WHEN KEPT UNDER 100F.

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===== Physical/Chemical Properties =====

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Decomp Temp:Decomp Text:>122F,>50C

Vapor Pres: