

ACHESON COLLOIDS DIV OF ACHESO -- 5506331 MOLYDAG 254

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MSDS Safety Information
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FSC: 9150
NIIN: 00-985-7255
MSDS Date: 03/18/1996
MSDS Num: CLBRZ
Product ID: 5506331 MOLYDAG 254
MFN: 01
Responsible Party
Cage: 70079
Name: ACHESON COLLOIDS CO DIV OF ACHESON INDUSTRIES INC
Address: 1600 WASHINGTON A
VE
Box: 611747
City: PORT HURON MI 48061-1747
Info Phone Number: 800-255-3924
Emergency Phone Number: 01-813-977-3668
Resp. Party Other MSDS No.: VERSION 03
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 70079
Name: ACHESON COLLOIDS CO DIV OF ACHESON INDUSTRIES INC
Address: 1600 WASHINGTON AVE
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Item Description Information
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Item Manager: S9G
Item Name: LUBRICANT,SOLID FILM
Specification Number: MIL-L-46010
Type/Grade/Class: TYPE I
Unit of Issue: GL
UI Container Qty: 1
Type of Container: METAL

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NO DATA PROVIDED BY MANUFACTURER

Carcinogenicity Inds - NTP: NO

IARC: YES

OSHA: NO

Effects of Exposure: EYES: CAUSES SEVERE EYE IRRITATION. SKIN: CAUSES MODERATE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE ALLERGIC SKIN REACTION IN SOME. INHALATION: VAPORS & MISTS MAY BE HARMFUL IF INHALED & MAY IRRITATE EYES, NOSE & THROAT

. DUSTS GENERATE FROM SANDING OR

GRINDING ON SURFACES COATED WITH PRODUCT MAY BE HARMFUL IF INHALED. CHRONIC: PRODUCT CONTAINS INORGANIC LEAD & ANTIMONY. OVEREXPOSURE TO INORGANIC LEAD & ANTIMONY MAY CAUSE ADVERSE EFFECTS TO BLOOD & BLOOD-FORMING TISSUES, KIDNEYS, LIVER, CNS & REPRODUCTIVE ORGANS. METHYL ETHYL KETONE HAS BEEN SHOWN TO CAUSE ADVERSE TOXIC EFFECTS I N LAB ANIMALS.

Explanation Of Carcinogenicity: PRODUCT CONTAINS ANTIMONY TRIOXIDE WHICH IS LISTED BY IARC

AS A CARCINOGEN.

Signs And Symptoms Of Overexposure: INGESTIONS:HARMFUL IF SWALLOWED. CONTAINS LEAD. LEAD POISONING IS CHARACTERIZED BY A METALLIC TASTE IN THE MOUTH, LOSS OF APPETITE, NAUSEA, VOMITING, CONSTIPATION, ABDOMINAL CRAMPS, DISTURBANCE OF SLE EP AND A GENERAL WEAKNESS. DRIED FILS OF THIS PRODUCT SAY BE HARMFUL IF CHEWED OR SWALLOWED. EYE: CAUSES SEVERE EYE IRRITATION. SKIN: MAY CAUSE MODERATE SKIN IRRITATION. OTHER SKIN CONTACT: THE COMPON ENTS OF THIS PRODUCT ARE NOT EX

PECTED TO BE ABSORBED THROUGH THE SKIN. PROLONGED OR REPEATED CONTACT MAY CAUSE AN ALLERGIC SKIN REACTION IN SOME INDIVIDUALS.

Medical Cond Aggravated By Exposure: NO DATA PROVIDED BY MANUFACTURER

First Aid: INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. SKIN: IF EXCESSIVE SKIN CONTACT WITH THIS PRODUCT OCCURS. FLUSH IMMEDIATELY WITH PLENTY OF WATER, FOLLOWED BY WASHING WITH SOAP AND WATER. EYE:IF THIS PRODUCT IS SPLASHED INTO THE EYES, FLUSHEYES IMMEDIATELY WITH PLENTY OF WATER FOR A

T
LEAST 15 MINUTES. INHALATION: IF EXCESSIVE AMOUNTS OF VAPORS OR MISTS FROM THIS PRODUCT ARE INHALED, REMOVE TO FRES H AIR. APPLY ARTIFICIAL RESPIRATION AND OTHER SUPPORTIVE MEASURES AS REQUIRED. CONSULT A POISON CENTER, EMERGENCY

ROOM OR LUNG SPECIALIST FOR ADDITIONAL INFORMATION AND GUIDANCE.

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Handling and Disposal
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Spill Release Procedures: SHUT OFF IGNITION SOURCES:NO FLARES

, SMOKING OR
FLAMES IN HAZARD AREA. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. WATER SPRAY
MAY REDUCE VAPORS BUT IT MAY NOT PREVENT IGNITION IN CLOSED SPACES. ISOLATE
AREA UNTIL GAS HAS DISPERSED. SMALL SPILLS: TAKE UP WITH SAND OR OTHER
NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER
DISPOSAL.

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER.

Waste Disposal Methods: THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO
DISPOSE OF UNUSED MATERIAL, RESIDUES AND C

ONTAINERS IN COMPLIANCE WITH ALL

RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMEN T,
STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

Handling And Storage Precautions: STORAGE TEMPERATURE: AMBIENT. STORAGE
PRESSURE: ATMOSPHERIC. KEEP CONTAINER CLOSED. LOOSEN CLOSURE CAUTIOUSLY
BEFORE OPENING. STORE IN A COOL AND WELL VENTILATED PLACE AWAY FROM
INCOMPATIBLE MATERIALS . THIS PRODUCT IS STABLE AND HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

Other Precaut

ions: KEEP AWAY FROM HEAT, SPARKS AND FLAME. PROTECT MATERIAL FROM
DIRECT SUNLIGHT. GROUND AND BOND CONTAINERS WHEN TRANSFERRING MATERIALS.
EMPTY CONTAINERS MAY RETAIN HAZARDOUS PROPERTIES. FOLLOW ALL MSDS/ LABEL
WARNINGS EVEN AFTER CONTAINER IS EMPTY.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point: =-4.4C, 24.F

Lower Limits: 1.8

Upper Limits: 10

Exti

nguishng Media: DRY CHEMICAL, CO2, WATER SPRAY OR ALCOHOL-RESISTANT FOAM.
LARGE FIRE: WATER SPRAY, FOG OR ALCOHOL-RESISTANT FOAM.

Fire Fighting Procedures: MOVE CONTAINER AWAY FROM FIRE IF CAN BE DONE WITHOUT
RISK. APPLY COOLING WATER TO EXPOSED CONTAINERS. FOR MASSIVE FIRE, USE
UNMANNED HOSE HOLDER OR MONITOR NOZZLES. WEAR POSITIVE-PRESSURE SCBA AND STR
UCTURAL FIREFIGHTER'S PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: FLAMMABLE/COMBUSTIBLE MATERIAL. VAPORS MAY
TRAVEL TO A SOU

RCE OF IGNITION & FLASH BACK. CONTAINER MAY EXPLODEE IN
HEAT OF FIRE. VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS. RUNOFF
TO SEWER M AY CREATE FIRE OR EXPLOSION HAZARD.

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Control Measures
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Respiratory Protection: NIOSH/MSHA SCHEDULE TC-23C AIR PURIFYING OR A SCHEDULE
TC-19C AIR SUPPLIED RESPIRATOR MAY BE USED TO REDUCE EXPOSURES. READ
MANUFACTURER'S INSTRCUCTIONS &a

mp; LITERATURE CAREFULLY TO DETERMINE THE TYPE(S) OF AIRBORNE CONTAMINANT(S) AGAINST WHICH THE RESPIRATOR IS EFFECTIVE AND HOW IT IS PROPERLY FITTED.

Ventilation: PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: DISPOSABLE GLOVES.

Eye Protection: VAPOR TIGHT CHEMICAL-TYPE SPLASH GOGGLES

Other Protective Equipment: WEAR PROTECTIVE CLOTHING, INCLUDING AN IMPERMEABLE APRON OR DISPOSABLE SUIT AND GLOVES.

Work Hygienic Practices: NO DATA PROVIDED BY MANUFACTURER.

Supplemental Safety and Health: NO DATA PROVIDED BY MANUFACTURER

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Physical/Chemical Properties
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HCC: F2

Boiling Point: =80.C, 176.F

M.P/F.P Text: NOT AVAILABLE

Vapor Pres: 47.00 MM HG AT 20C

Vapor Density: > AIR

Spec Gravity: 1.33

PH: NOT AVAILABLE

VOC Grams/Liter: 594

Viscosity: 200 - 1000 CPS

Evaporation Rate & Reference: FASTER THAN BUTYL AC

Solubility in Water:

ter: NO

Appearance and Odor: BLACK FLUID

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: THIS PRODUCT IS STABLE.

Materials To Avoid: STRONG OXIDIZERS.

Hazardous Decomposition Products: OXIDES OF CARBON, OXIDES OF LEAD, OXIDES OF ANTIMONY, OXIDES OF SULFUR.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: HZARDOUS POLYMERIZATION WILL NOT OCCUR

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Toxicological Information
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Toxicological Information: NOT AVAILABLE.

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Ecological Information
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Ecological: NOT AVAILABLE.

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MSDS Transport Information
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Trans

port Information: DOT PROPER SHIPPING NAME: PAINT. HAZARD CLASS: 3. PG:
III. IDENTIFICATION NUMBER: UN1263. REFER TO ACHESON COLLOIDS EMERGENCY
RESPONSE INFORMATION SHEET FOR MORE DETAILED TRANSPORTATION HANDLING INFOR
MATION.

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Regulatory Information
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Sara Title III Information: THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED IN
SECTION 313 AT OR ABOVE THE DE MINIMUS CONCENTRAT
IONS. THE FOLLOWING LISTED

CHEMICALS ARE PRESENT: CAS# 108-88-3, TOLUENE, <50%; CAS# 12141-20-7, DI
BASIC LEAD PHOSPHITE, <20%; CAS# 1309-64-4, ANTIMONY TRIOXIDE, <20%;
CAS# 78-93-3, METHYL ETHYL KETONE, <20%.

Federal Regulatory Information: TSCA: ALL COMPONENTS OF THIS PRODUCT ARE LISTED
OR ARE EXCLUDED FROM LISTING ON THE US TOXIC SUBSTANCES CONTROL ACT (TSCA)
CHEMICAL SUBSTANCES INVENTORY.

State Regulatory Information: NO DATA PROVIDED BY MANUFACTURER.

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Other Information
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Other Information: NO DATA PROVIDED BY MANUFACTURER.

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Transportation Information
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Responsible Party Cage: 70079

Trans ID NO: 156647

Product ID: 5506331 MOLYDAG 254

MSDS Prepared Date: 03/18/1996

Review Date: 04/16/2001

MFN: 1

Net Unit Weight: 11 LBS

Multiple KIT Number: 0

Uni

t Of Issue: GL

Container QTY: 1

Type Of Container: METAL

Additional Data: SHIPPING NAME IS PER MSDS.

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Detail DOT Information
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DOT PSN Code: LFD

DOT Proper Shipping Name: PAINT

DOT PSN Modifier: INCLUDING PAINT, LACQUER, ENAMEL, STAIN, SHELLAC SOLUTIONS,
VARNISH, POLISH, LIQUID FILLER, AND LIQUID LACQUER BASE

Hazard Class: 3

UN ID Num: UN1263

DOT Packaging Group: II

Label: FLAMMABLE LI

QUID
Special Provision: B52,T7,T30
Packaging Exception: 150
Non Bulk Pack: 173
Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: B

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Detail IMO Information
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IMO PSN Code: LCP
IMO Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL
IMO PSN Modifier: (INCLUDING PAINT, LACQUER, ENAMEL, STAIN, SHELLAC SOLUTIONS,
VARNISH, POLISH, LIQUID FILLER AND LIQUID LACQUER BASE)
OR (INCLUDING PAINT
THINNING OR REDUCING COMPOUND) o
IMDG Page Number: 3268
UN Number: 1263
UN Hazard Class: 3.2
IMO Packaging Group: I/II *
Subsidiary Risk Label: -
EMS Number: 3-05
MED First Aid Guide NUM: 310

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Detail IATA Information
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IATA PSN Code: SXI
IATA UN ID Num: 1263
IATA Proper Shipping Name: PAINT
IATA PSN Modifier: (INCLUDING
PAINT,LACQUER,ENAMEL,STAIN,SHELLAC,VARNISH,P
OLISH,LIQUID FILLER AND LIQUID
LACQUER BASE)
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 305
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 307
Exceptions: A7,A72

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Detail AFI Information
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AFI PSN Code: SXI
AFI Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL
AFI PSN Modifier: (INCLUDING PAINT,LACQUER,ENAMEL,STAIN,SHELL

AC

SOLUTIONS,VARNISH,POLISH,LIQUID FILLER AND LIQUID LACQUER BASE) OR (INCLUDING PAINT THINNING OR REDUCING COMPOUNDS)

AFI Hazard Class: 3

AFI UN ID NUM: UN1263

AFI Packing Group: II

Special Provisions: P5

Back Pack Reference: A7.3

=====
HAZCOM Label
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Product ID: 5506331 MOLYDAG 254

Cage: 70079

Company Name: ACHESON COLLOIDS CO DIV OF ACHESON INDUSTRIES INC

Street: 1600 WASHINGTON AVE

PO

Box: 611747

City: PORT HURON MI

Zipcode: 48061-1747

Health Emergency Phone: 01-813-977-3668

Label Required IND: Y

Date Of Label Review: 04/16/2001

Status Code: A

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: FLAMMABLE LIQUID! TARGET ORGANS: N/P. REPEATED EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL OR FATAL. HARMFUL IF SWALLOWED. CONTAINS LEAD. FIRST AID: CONTACT: FLUSH WITH PLENTY OF WATER. LIFT EYELIDS. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALED: REMOVE TO FRESH AIR. RESTORE BREATHING AS NEEDED. GET MEDICAL ATTENTION. INGESTED: DO NOT INDUCE VOMITING! GET IMMEDIATE

MEDICAL ATTENTION.

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