## Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 07/08/2009

Reviewed on 07/08/2009

Printing date 07/08/2009	Reviewed	011 017 00/2000
1 Identification of substar	nco	
Trade name:	010302 ALUMINUM HT SILICONE COATING	
Manufacturer/Supplier:	Design Engineering	
	604 Moore Road Cleveland, OH 44012	
	phone: 800.264.9472 fax: 440.930.7967 Design Engineering, Inc.	
<b>F</b>	www.DesignEngineering.com	
Emergency information:	CHEMTEL 1-800-255-3924, 813-248-0585 *if located outside the U.S.*	
2 Composition/Data on or		
2 Composition/Data on co Chemical Description:	This product is a mixture of the substances listed below with nonhazardous additions.	
Dangerous components:		
108-88-3 Toluene		19.87%
74-98-6 propane		18.82%
67-64-1 Acetone		18.09%
106-97-8 n-butane		11.05%
14808-60-7 Silicon Dioxide		10.84%
64742-89-8 VM&P Naphtha		5.64%
7429-90-5 aluminium powe	rder (stabilised)	2.54%
1330-20-7 xylene (mix)	, , , , , , , , , , , , , , , , , , ,	2.38%
3 Hazards identification		
Hazard description:	A Harmful	
-	Extremely flammable	
Physical dangers:	Extremely flammable liquid and vapor in a pressurized container. Keep away from heat,	sparks, and
· ···jeieai aaiigeiei	flame.	
	Has narcotizing effect.	
	Extremely flammable. Irritating to respiratory system and skin.	
	Keep out of the reach of children.	
Effects of chronic		
overexposure:	May cause permanent brain and nervous system damage. Repeated overexposure can a kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the conte	lso damage
	harmful or fatal.	ents may be
NFPA ratings (0 - 4):	Health = $1$	
5 ( )	Fire = 4	
HMIS ratings (0 4)	Reactivity = 3 Health= 1	
HMIS-ratings (0 - 4):		
	Fire= 4 Physical Hazard= 3	
	Fire= 4	
4 First aid measures	Fire= 4 Physical Hazard= 3	
After inhalation:	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints.	
After inhalation: After skin contact:	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly.	
After inhalation: After skin contact: After eye contact:	Fire 4 Physical Hazard 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor.	
After inhalation: After skin contact:	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly.	
After inhalation: After skin contact: After eye contact:	Fire 4 Physical Hazard 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor.	
After inhalation: After skin contact: After eye contact: After swallowing:	Fire 4 Physical Hazard 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor.	nol resistant
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures Extinguishing agents:	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center.	nol resistant
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcol	nol resistant
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures Extinguishing agents: Protective equipment:	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcoh foam. No special measures required.	nol resistant
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures Extinguishing agents: Protective equipment: 6 Accidental release measures	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcol foam. No special measures required.	nol resistant
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures Extinguishing agents: Protective equipment: 6 Accidental release meas Personal safety:	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcoh foam. No special measures required. Sures Wear protective equipment. Keep unprotected persons away.	nol resistant
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures Extinguishing agents: Protective equipment: 6 Accidental release measures	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcol foam. No special measures required.	nol resistant
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures Extinguishing agents: Protective equipment: 6 Accidental release meas Personal safety: Environmental safety:	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcol foam. No special measures required. Sures Wear protective equipment. Keep unprotected persons away. Do not allow product to reach sewage systems or ground water.	nol resistant
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures Extinguishing agents: Protective equipment: 6 Accidental release meas Personal safety: Environmental safety: Clean-up/collection:	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcol foam. No special measures required. Sures Wear protective equipment. Keep unprotected persons away. Do not allow product to reach sewage systems or ground water.	nol resistant
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures Extinguishing agents: Protective equipment: 6 Accidental release meas Personal safety: Environmental safety:	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcol foam. No special measures required. Sures Wear protective equipment. Keep unprotected persons away. Do not allow product to reach sewage systems or ground water. Ensure adequate ventilation.	
After inhalation: After skin contact: After eye contact: After swallowing: 5 Fire fighting measures Extinguishing agents: Protective equipment: 6 Accidental release meas Personal safety: Environmental safety: Clean-up/collection: 7 Handling and storage	Fire= 4 Physical Hazard= 3 Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. Then consult a doctor. Contact physician or poison control center. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcol foam. No special measures required. Sures Wear protective equipment. Keep unprotected persons away. Do not allow product to reach sewage systems or ground water. Ensure adequate ventilation.	

Printing date 07/08/2009

Reviewed on 07/08/2009

## Trade name: 010302 ALUMINUM HT SILICONE COATING

(Contd. of page 1)

8 Exposure controls and				
	lues that require monitoring at the workplace:			
PEL Short-term value: C 3	00; 500* ppm			
Long-term value: 200 *10-min peak per 8-hr	ppm			
REL Short-term value: 560	u mg/m <sup>3</sup> , 150 ppm			
Long-term value: 375 TLV 75 mg/m <sup>3</sup> , 20 ppm	mg/m², 100 ppm			
74-98-6 propane				
PEL 1800 mg/m <sup>3</sup> , 1000 pp REL 1800 mg/m <sup>3</sup> , 1000 pp	m m			
TLV Varies mg/m <sup>3</sup> , 1000 p	pm			
67-64-1 Acetone PEL 2400 mg/m <sup>3</sup> , 1000 pp	m			
REL 590 mg/m <sup>3</sup> , 250 ppm				
TLV Short-term value: 178 Long-term value: 118	2 mg/m³, 750 ppm 8 mg/m³, 500 ppm			
BEI				
106-97-8 n-butane REL 1900 mg/m <sup>3</sup> , 800 ppm				
TLV Varies mg/m <sup>3</sup> , 1000 p	pm			
7429-90-5 aluminium pow PEL 15* 5** mg/m <sup>3</sup>	/der (stabilised)			
Metal dust *total dust	**respirable fraction			
REL 10* 5** mg/m <sup>3</sup> Metal dust *total dust	**respirable fraction			
TLV 1* mg/m <sup>3</sup> *as respirable fraction				
1330-20-7 xylene (mix)				
PEL 435 mg/m <sup>3</sup> , 100 ppm REL Short-term value: 655	mg/m3 450 ppm			
Long-term value: 435	mg/m <sup>3</sup> , 100 ppm			
TLV Short-term value: 651 Long-term value: 434	mg/m <sup>3</sup> , 150 ppm			
BEI				
Hygienic protection:	Keep away from foodstuffs and animal feed. Wash hands after use. Avoid contact with the skin.			
Breathing equipment:	A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you			
	suspect overexposure conditions exist, please consult an authority on chemical hygeine.			
Hand protection:	Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.			
Eye protection:	Tightly sealed goggles			
9 Physical and chemical	properties:			
General Information:				
Odor: Boiling point:	Aromatic -44°C			
Flash point:	-19°C			
Ignition temperature:	365°C			
Auto igniting:	Product is not self-igniting.			
Danger of explosion:	Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120			
	degrees fahrenheit. In use, may form flammable/explosive vapour-air mixture.			
Lower Explosion Limit:	1.5 Vol % 10.9 Vol %			
Upper Explosion Limit: Vapor Pressure:	40 PSI, 2750 hPa			
Density:	Potwoon 0.77 and 0.85 (Water equals 1.00)			
Specific Gravity: VOC content:	Between 0.77 and 0.85 (Water equals 1.00) 763.6 g/l / 6.37 lb/gl			
VOC content (less exemp	t solvents): 58.9 %			
Solids content:	24.3 %			
10 Stability and reactivity:				
Conditions to avoid:	Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.			
	(Contd. on page 3)			

Printing date 07/08/2009

Page 3/4

Reviewed on 07/08/2009

rade name: 010302 ALUMINUM HT SILICONE COATING				
Hazardous Reactions:	No dangerous reactions known. (Contd. of page 2)			
1 Toxicological information Skin effects: Eye effects:	on: Irritant to skin and mucous membranes. No irritating effect.			
Sensitization:	No sensitizing effects known.			
2 Ecological information				
Other information: Acquatic toxicity:	This product does not contain any chlorofluorocarbons (CFC's) or chlorinated solvents. Hazardous for water, do not empty into drains.			
3 Disposal considerations DISPOSAL METHOD: Disp Partially empty cans must be Recommendation:	bose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. disposed of responsibly. Do not heat or cut empty containers with electric or gas torches. Completely empty cans should be recycled.			
4 Transport information: Hazard class:	2.1			
Identification number:	N/A			
Label ADR/RID class:	2.1 2 5F Gases			
UN-Number:	1950			
IMDG Class: Packaging group:	2 II			
EMS Number:	Ë-D,S-U			
Marine pollutant: ICAO/IATA Class:	No 2.1			
Propper shipping name:	Aerosols, Flammable			
	Consumer Commodity ORM-D			
5 Regulations				
-	ely hazardous substances):			
-				
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi	is product are listed.			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene	is product are listed. c toxic chemical listings):			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde	is product are listed. c toxic chemical listings):			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA:	is product are listed. c toxic chemical listings):			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC:	c toxic chemical listings): er (stabilised) All ingredients are listed. This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 c	is product are listed. c toxic chemical listings): er (stabilised) All ingredients are listed.			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 c 14808-60-7 Silicon Dioxide	c toxic chemical listings): er (stabilised) All ingredients are listed. This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 c 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene	c toxic chemical listings): er (stabilised) All ingredients are listed. This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 c 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause	is product are listed.         c toxic chemical listings):         er (stabilised)         All ingredients are listed.         This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.         chemicals known to cause cancer:			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 con 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity:	is product are listed. c toxic chemical listings): er (stabilised) All ingredients are listed. This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead. themicals known to cause cancer:			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 c 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause	is product are listed. c toxic chemical listings): er (stabilised) All ingredients are listed. This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead. themicals known to cause cancer: 108-88-3 Toluene A - Compressed gas B6 - Reactive flammable material			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 of 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity: WHMIS Symbols for	is product are listed. c toxic chemical listings): er (stabilised) All ingredients are listed. This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead. themicals known to cause cancer: 108-88-3 Toluene A - Compressed gas			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 of 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity: WHMIS Symbols for	is product are listed.         c toxic chemical listings):         er (stabilised)         All ingredients are listed.         This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.         chemicals known to cause cancer:         108-88-3 Toluene         A - Compressed gas         B6 - Reactive flammable material         D2B - Toxic material causing other toxic effects			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 con 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity: WHMIS Symbols for Canada:	A - Compressed gas B6 - Reactive flammable material D2B - Toxic material causing other toxic effects A - Compressed gas B6 - Reactive flammable material D2B - Toxic material causing other toxic effects A = Known human carcinogen D = Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 con 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity: WHMIS Symbols for Canada:	A - Compressed gas B6 - Reactive flammable material D2B - Toxic material causing other toxic effects A = Known human carcinogen B = Probable human carcinogen B = Probable human carcinogen C = Possible human carcinogen D = Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 con 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity: WHMIS Symbols for Canada:	A - Compressed gas B6 - Reactive flammable material D2B - Toxic material causing other toxic effects A - Compressed gas B6 - Reactive flammable material D2B - Toxic material causing other toxic effects A = Known human carcinogen B = Probable human carcinogen D = Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 of 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity: WHMIS Symbols for Canada: EPA:	is product are listed.         c toxic chemical listings):         ar (stabilised)         All ingredients are listed.         This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.         themicals known to cause cancer:         108-88-3 Toluene         A - Compressed gas         B6 - Reactive flammable material         D2B - Toxic material causing other toxic effects         Image: Complete to the state of the state state of the state of the state of the state of the s			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 of 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity: WHMIS Symbols for Canada: EPA: 108-88-3 Toluene 67-64-1 Acetone 1330-20-7 xylene (mix)	All ingredients are listed.  All ingredients are listed.  This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.  themicals known to cause cancer:  108-88-3 Toluene  A - Compressed gas B6 - Reactive flammable material D2B - Toxic material causing other toxic effects  C C C Possible human carcinogen D = Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).  C Data are inadequate information to assess carcinogenic potential.'  I			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 of 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity: WHMIS Symbols for Canada: EPA:	is product are listed.         c toxic chemical listings):         ar (stabilised)         All ingredients are listed.         This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.         themicals known to cause cancer:         **         108-88-3 Toluene         A - Compressed gas         B6 - Reactive flammable material         D2B - Toxic material causing other toxic effects         Image: Complex Structure (Complex Structure)         A= Known human carcinogen         D = Probable human carcinogen         C = Possible human carcinogen         D = Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or odata is available).         I: 'Data are inadequate for an assessment of human carcinogeni potential.'         II: 'Inadequate information to assess carcinogenic potential.'         II: 'Inadequate information to assess carcinogenic potential.'         II         I         Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.			
SARA Section 355 (extrem None of the ingredients in th SARA Section 313 (Specifi 108-88-3 Toluene 7429-90-5 aluminium powde 1330-20-7 xylene (mix) TSCA: CPSC: California Proposition 65 of 14808-60-7 Silicon Dioxide 100-41-4 ethyl benzene California Proposition 65 chemicals known to cause developmental toxicity: WHMIS Symbols for Canada: EPA: 108-88-3 Toluene 67-64-1 Acetone 1330-20-7 xylene (mix)	All ingredients are listed.  All ingredients are listed.  This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.  Hermicals known to cause cancer:  108-88-3 Toluene  A - Compressed gas B6 - Reactive flammable material D2B - Toxic material causing other toxic effects  A= Known human carcinogen D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).  A= Known human carcinogen D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).  I: 'Data are inadequate for an assessment of human carcinogeni potential.' II: 'Inadequate information to assess carcinogenic potential.'  Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of other toxic potential is possibly carcinogenic to humans. There is limited evidence of other toxic potential.'			

Printing date 07/08/2009

Page 4/4

Trade name: 010302 ALUMINUM HT SILICONE COATING				
		(Contd. of pag	<u>ie 3)</u>	
	Silicon Dioxide		1	
	xylene (mix)		3	
ACGIH:		A1-designates a confirmed human carcinogen. A2-designates a suspected human carcinogen. A3-designates an animal carcinogen.		
		A3-designates an animal carcinogen.		
		A4-designates "not classifiable as a human carcinogen".		
108-88-3			44	
	Acetone		44	
	Silicon Dioxide		42	
	aluminium pow		44	
	xylene (mix)		44	
NIOSH:		The following substances are regulated in the United States with reference to occupational exposi limits:	ure	
	Silicon Dioxide			
Risk phrase	es:	Extremely flammable. Irritating to respiratory system and skin.		
Safety phra	ises:	Keep out of the reach of children. Do not breathe gas/fumes/vapour/spray. Do not empty into drains, dispose of this material and its container at hazardous or special wa collection point Wear suitable protective clothing and gloves. In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water. If swallowed, seek medical advice immediately and show this container or label. Use only in well-ventilated areas.	ste	
shall not est	ation is based on	our present knowledge. However, this shall not constitute a guarantee for any specific product features a valid contractual relationship.	and	
Contact:		Regulatory Affairs		
Abbreviatic acronyms:	ons and	IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) PP: Severe Marine Pollutant CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) ISO: International Organization for Standardization EPA: Environmental Protection Agency IARC: International Agency for the Research of Cancer NIOSH: National Institute for Occupational Safety and Health TSCA: Toxic Substances Control Act CPSC: Consumer Product Safety Commission		
			- USA -	