Safety Data Sheet

Revised On 01/20/2016

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ting date 02/04/2016	Revised On 01/20/20
Identification of the substanc	e and manufacturer
Trade name:	HOT SPOT ALUMINUM
Product code:	0000161201
Product code. Product category	PC9a Paints and coatings.
Manufacturer/Supplier:	Seymour of Sycamore
	917 Crosby Avenue
	Sycamore, IL 60178 Phone: 815-895-9101 www.seymourpaint.com
Emergency telephone number:	CHEMTEL 1-800-255-3924, or 813-248-0585.
Hazard(s) identification	
Classification of the substance of	
Flam. Aerosol 1 H222 Extremely Press. Gas H280 Contains of	
Skin Irrit. 2 H315 Causes sk	as under pressure; may explode if heated.
	rious eye irritation.
Carc. 1B H350 May cause	
	of damaging fertility or the unborn child.
	drowsiness or dizziness.
STOT RE 2 H373 May cause	damage to organs through prolonged or repeated exposure.
GHS Hazard pictograms	$\overset{\sim}{\longrightarrow}\overset{\sim}{\longrightarrow}\overset{\sim}{\longrightarrow}\overset{\sim}{\longrightarrow}\overset{\circ}{\to}\overset{\circ}{\to}$
	GHS02 GHS04 GHS07 GHS08
Signal word	Danger
Hazard statements	Extremely flammable aerosol.
	Contains gas under pressure; may explode if heated. Causes skin irritation.
	Causes skin irritation. Causes serious eye irritation.
	May cause cancer.
	Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness.
	May cause drowsiness of dizzness. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	Obtain special instructions before use.
	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
	Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
	Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.
	Use only outdoors of in a well-ventilated area.
	Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.
	Do not breathe dust/fume/gas/mist/vapors/spray.
	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if prese and easy to do. Continue rinsing.
	and easy to do. Continue rinsing. Call a POISON CENTER/doctor if you feel unwell.
	If skin irritation occurs: Get medical advice/attention.
	IF ON SKIN: Wash with plenty of water. Take off contaminated clothing.
	Store locked up.
	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
	Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/internatior
	regulations.
Composition/information on i	ingredients
Chemical characterization: Mixtu	ures
Chemical Description:	This product is a mixture of the substances listed below with nonhazardous additions.
Dangerous components: 108-88-3 Toluene	00 75
67-64-1 Acetone	23.75 ^c 21.62 ^c
74-98-6 propane	21.02 ⁻ 18.91 ⁰
106-97-8 n-butane	11.11
7727-43-7 barium sulfate, natura	
64742-89-8 VM&P Naphtha	3.139
7429-90-5 Aluminum flake	2.819
8052-41-3 Stoddard Solvent	1.529
1330-20-7 xylene (mix)	1.249
First-aid measures	
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Immediately wash with water and soap and rinse thoroughly.
	Remove contaminated clothing. Wash exposed area with soap and water.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consul doctor.
After swallowing:	Rinse out mouth and then drink plenty of water.
· · · · · · · · · · · · · · · · · · ·	Rinse mouth with water. Do not induce vomiting.
	(Contd. on page

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Trade name: HOT SPOT ALUMINUM Cont. of page 1) Medication of any immediate medical indication of any immediate medication indication of any immediate medication and any immediate mediany immediate any immediate medication any immediate m	Printing date 02/04/2016 Revised On 01/20/2016				
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Components with limit values that require monitoring at the workplace: 108:88-3 Tousene PEL (USA) Long-term value: 200 ppm Ching limit value: 300; 50° ppm Yebmin pack por 580 ng/m³, 100 ppm Long-term value: 550 ng/m³, 100 ppm BEL 87:64-1 Account value: 520 ng/m³, 100 ppm TLV (USA) Berne 97:64-1 Account value: 350 ng/m³, 1000 ppm REL (USA) Short-term value: 2400 mg/m³, 1000 ppm REL (USA) Short-term value: 150 ng/m³, 250 ppm BEI 74-98-6 propane PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Nu (USA) Jorg-term value: 1800 mg/m³, 1000 ppm REL (USA) Nu (USA) Jorg-term value: 1800 mg/m³, 1000 ppm REL (USA) TV-V (USA) Jorg-term value: 1800 mg/m³, 1000 ppm REL (USA) TV-V (USA) Jorg-term value: 1800 mg/m³, 1000 ppm TV-V (USA) TV-V (USA) Jorg-term value: 190 mg/m³, 1000 ppm TV-V (USA) TV-V (USA) Long-term value: 190 mg/m³, 1000 ppm TV-V (USA) TV-V (USA) Long-term value: 190 mg/m³, 1000 ppm TV-V (USA) TV-V (USA) Long-term value: 190 mg/m³, 1000 ppm TV-V (USA) Ref. (USA)	8 Exposure controls/personal prot	ection			
108-88-3 Toluene PEL (USA) Long-term value: 300: 500' ppm '10-min peak per 8-hr shift REL (USA) Short-term value: 560 mg/m³, 150 ppm Long-term value: 75 mg/m³, 20 ppm BEI 67-64-1 Acetone PEL (USA) Dong-term value: 75 mg/m³, 200 ppm BEI 67-64-1 Acetone PEL (USA) Dong-term value: 590 mg/m³, 200 ppm Long-term value: 590 mg/m³, 250 ppm TLV (USA) Dong-term value: 594 mg/m³, 500 ppm BEI 74-98-6 propane PEL (USA) Dong-term value: 180 mg/m³, 1000 ppm TLV (USA) Nong-term value: 1800 mg/m³, 1000 ppm TLV (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) TVU (USA) Icong-term value: 1800 mg/m³, 1000 ppm TLV (USA) TVU (USA) Icong-term value: 1900 mg/m³, 800 ppm TLV (USA) TV10-term value: 1900 mg/m³, 800 ppm TLV (USA) TV10-term value: 1900 mg/m³, 1000 ppm TV17-42-7 barium sultite, natural PEL (USA) Long-term value: 10° 5°* mg/m³ Total dust "respirable fraction REL (USA) Long-term value: 5° mg/m³					
Ceiling limit value: 300; 500° ppm '10-min peak per 8-hr shift REL (USA) Short-term value: 560 mg/m³, 150 ppm Long-term value: 75 mg/m³, 20 ppm BEI 67-64-1 Acetone PEL (USA) Long-term value: 75 mg/m³, 200 ppm REL (USA) Long-term value: 590 mg/m³, 250 ppm TLV (USA) Short-term value: 594 mg/m³, 250 ppm TLV (USA) Short-term value: 594 mg/m³, 250 ppm BEI 74-98-6 propane PEL (USA) Long-term value: 180 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) Iong-term value: 1900 mg/m³, 1000 ppm TLV (USA) Iong-term value: 15° mg/m³ 'total dust' "respirable fraction REL (USA) Long-term value: 15° mg/m³ 'total dust, "* Respirable fraction REL (USA) Long-term value: 15° mg/m³ 'Total dust, "* Respirable fraction REL (USA) Iong-term value: 5° mg/m³ 'Total dust, "* Respirable fraction REL (USA) Iong-term value: 5° mg/m³ 'Total dust, "* Respirable fraction REL (USA) Iong-term value: 5° mg/m³ 'Total dust, "* Respirable fraction REL (USA) Iong-term value: 5° mg/m³ 'Total dust, "* Respirable fraction REL (USA) Iong-term value: 5° mg/m³ 'Total dust, "* Respirable fraction REL (USA) Iong-term value: 5° mg/m³ REL (USA) Iong-term value: 5° mg/m³ 'Total dust, "* Respirable fraction REL (USA) Iong-term value: 5° mg/m³ 'Total dust, "* Respirable fraction REL (USA) Iong-term value: 5° mg/m³ 'Total dust, "* Respirable fraction 8052-41 300/date 500 mg/m 'Total dust, "* Respirable f	108-88-3 Toluene				
"10-min peak per 8-hr shift REL (USA) Short-term value: 375 mg/m³, 100 ppm TLV (USA) Long-term value: 375 mg/m³, 100 ppm BEI Short-term value: 575 mg/m³, 100 ppm REL (USA) Long-term value: 590 mg/m³, 200 ppm REL (USA) Long-term value: 590 mg/m³, 250 ppm TLV (USA) Short-term value: 594 mg/m³, 250 ppm BEI Short-term value: 594 mg/m³, 260 ppm TVU (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 170 mg/m³, 1000 ppm TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm TLV (USA) Short-term value: 2370 mg/m³, 100 ppm TLV (USA) Short-term value: 2370 mg/m³, 100 ppm TLV (USA) Long-term value: 2370 mg/m³, 100 ppm TLV (USA) Long-term value: 2370 mg/m³, 100 ppm TLV (USA) Long-term value: 55 *m g/m³ Total dust **respirable fraction Total dust **respirable fraction	PEL (USA) Long-term value: 200 ppm Ceiling limit value: 300: 50	Ω* nnm			
Long-term value: 375 mg/m³, 100 ppm TLV (USA) Long-term value: 250 mg/m³, 200 ppm PEL (USA) Long-term value: 590 mg/m³, 200 ppm REL (USA) Long-term value: 590 mg/m³, 250 ppm TLV (USA) Short-term value: 594 mg/m³, 250 ppm BEI TV 74-98-6 propane PEL (USA) PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) Iong-term value: 1800 mg/m³, 1000 ppm TLV (USA) Iong-term value: 1800 mg/m³, 1000 ppm TLV (USA) Iong-term value: 1900 mg/m³, 100 ppm TLV (USA) Iong-term value: 1900 mg/m³, 100 ppm TLV (USA) Iong-term value: 1900 mg/m³ TUV (USA) Iong-term value: 1900 mg/m³ Total dust "respirable fraction Total dust "respirable fraction TV (USA	*10-min peak per 8-hr shif	t			
TLV (USA) Long-term value: 75 mg/m³, 20 ppm BEI BEI 67.64.1 Acetone PEL (USA) Long-term value: 2400 mg/m³, 1000 ppm REL (USA) Long-term value: 500 mg/m³, 250 ppm Long-term value: 590 mg/m³, 250 ppm Long-term value: 594 mg/m³, 250 ppm BEI BEI 74.98-6 propane PEL (USA) PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) Long-term value: 1370 mg/m³, 800 ppm TLV (USA) Long-term value: 1300 mg/m³, 800 ppm TLV (USA) Long-term value: 100 mg/m³, 800 ppm TLV (USA) Long-term value: 100 mg/m³, 1000 ppm TLV (USA) Long-term value: 10° 5°* mg/m³ total dust **respirable fraction Test PEL (USA) Long-term value: 16° 5°* mg/m³ total dust **respirable fraction Total dust; ** Respirable fraction TLV (USA) Long-term value: 16° 5°* mg/m³ 'Total dust; ** Respirable/prov powd./welding f	REL (USA) Short-term value: 560 mg/	REL (USA) Short-term value: 560 mg/m³, 150 ppm			
67-64-1 Acetone PEL (USA) Long-term value: 2400 mg/m³, 1000 ppm REL (USA) Long-term value: 590 mg/m³, 250 ppm USA) Long-term value: 1187 mg/m³, 250 ppm BEI 74-98-6 propane PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) Isong-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 000 ppm TLV (USA) Isong-term value: 1900 mg/m³, 800 ppm TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm TVU (USA) Short-term value: 1375 "r mg/m³ Yotal dust "respirable fraction TLV (USA) Long-term value: 15" 5" mg/m³ Yotal dust "respirable fraction REL (USA) Long-term value: 15" 5" mg/m³ Yotal dust "respirable fraction REL (USA) Long-term value: 15"; 15"* mg/m³ Yotal dust "respirable fraction REL (USA) Long-term value: 15"; 15"* mg/m³ Yotal dust, "respirable fraction REL (USA) Long-term value: 15"; 15"* mg/m³ Yotal dust, "respirable fraction REL (USA) Long-term value: 15"; 15"* mg/m³ Yotal dust, "respirable fraction REL (USA) Long-term value: 16" 5" mg/m³ Yotal dust"respirable fraction REL (USA)	TLV (USA) Long-term value: 75 mg/m				
PEL (USA) Long-term value: 2400 mg/m³, 1000 ppm REL (USA) Long-term value: 590 mg/m³, 250 ppm TLV (USA) Short-term value: 1187 mg/m³, 500 ppm BEI Digsterm value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) Iong-term value: 1800 mg/m³, 1000 ppm TLV (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) Long-term value: 1800 mg/m³, 600 ppm TLV (USA) Short-term value: 300 mg/m³, 600 ppm TV27437 Datime PEL (USA) Long-term value: 167 5* mg/m³ *total dust **respirable fraction REL (USA) Long-term value: 5* mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ *total dust **respirable fraction REL (USA) Long-term value: 5*, 15* mg/m³ *Total dust **respirable fraction <th colspan="4">BEI</th>	BEI				
TLV (USA) Short-term value: 1187 mg/m³, 500 ppm BEI 74-98-6 propane PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) 106-97-8 n-butane REL (USA) Long-term value: 1900 mg/m³, 800 ppm TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm 7727-43-7 barbutane REL (USA) Long-term value: 2370 mg/m³, 1000 ppm 7727-43-7 barbutane REL (USA) Long-term value: 15° 5°* mg/m³ 7821-43-7 barbutane REL (USA) Long-term value: 15° 5°* mg/m³ 7101-142 PEL (USA) Long-term value: 15° 5°* mg/m³ *total dust **respirable fraction REL (USA) Long-term value: 10° 5°* mg/m³ *total dust **respirable fraction TV 29-90-5 Aluminum flake PEL (USA) PEL (USA) Long-term value: 15°; 15°* mg/m³ ************************************					
Long-term value: 594 mg/m³, 250 ppm BEI 74-98-6 propane PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) refer to Appendix F inTLVs and BEIs book 106-97-8 n-butane REL (USA) Long-term value: 1900 mg/m³, 800 ppm TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm TLV (USA) Long-term value: 15' 5'' mg/m³ Total dust ''respirable fraction REL (USA) Long-term value: 10' 5'' mg/m³ Total dust ''respirable fraction TLV (USA) Long-term value: 15', 15'' mg/m³ Total dust ''respirable fraction TLV (USA) Long-term value: 15', 15'' mg/m³ Total dust ''respirable fraction TLV (USA) Long-term value: 15', 15'' mg/m³ Total dust '' respirable fraction REL (USA) Long-term value: 15', 15'' mg/m³ Total dust '' Respirable fraction REL (USA) Long-term value: 15', 15'' mg/m³ as Al'Total dust '' Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1'' mg/m³ as Al'' as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 300 mg/m³, 500 ppm REL (USA) Long-term value: 280 mg/m³ Ceiling limit valu	REL (USA) Long-term value: 590 mg/	REL (USA) Long-term value: 590 mg/m ³ , 250 ppm			
BEI T4-98-6 propane PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) refer to Appendix F inTLVs and BEIs book 106-97-8 n-butane REL (USA) Long-term value: 1900 mg/m³, 800 ppm TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm TZ7-43-7 barium sulfate, natural PEL (USA) Long-term value: 15° 5°* mg/m³ *total dust **respirable fraction REL (USA) Long-term value: 15° 5°* mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 15°; 15°* mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 15°; 15°* mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 15°; 15°* mg/m³ *Total dust: ** Respirable fraction REL (USA) Long-term value: 15°; 15°* mg/m³ *Total dust: ** Respirable fraction REL (USA) Long-term value: 15°; 15°* mg/m³ *Total dust: ** Respirable fraction REL (USA) Long-term value: 15°; 15°* mg/m³ *Total dust: ** Respirable fraction 8052-41-3 Stoddard Solvent 9EL (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³					
PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) Infer to Appendix F inTLVs and BEIs book 106-97-8 n-butane REL (USA) REL (USA) Long-term value: 1900 mg/m³, 800 ppm TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm 7727-43-7 barium sulfate, natural PEL (USA) PEL (USA) Long-term value: 15° 5°* mg/m³ *total dust *respirable fraction REL (USA) Long-term value: 0° 5°* mg/m³ *total dust *respirable fraction TLV (USA) Long-term value: 5°* mg/m³ *total dust *respirable fraction *total dust *respirable fraction TLV (USA) Long-term value: 10* 5°* mg/m³ *inhalable fraction, E *total dust *respirable fraction PEL (USA) Long-term value: 10* 5°* mg/m³ *total dust ** Respirable fraction *total dust ** *respirable fraction REL (USA) Long-term value: 10* 5°* mg/m³ *total dust ** Respirable fraction *total dust **respirable fraction REL (USA) Long-term value: 10* 5°* mg/m³ *total dust ** Respirable fraction *total dust **respirable fraction RB2-41-3 Stoddard Solvent<	BEI	··· , ; ;			
REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) refer to Appendix F inTLVs and BEIs book 106-7:8 n-butane REL (USA) Long-term value: 1900 mg/m³, 800 ppm TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm 7727-43-7 barium sulfate, natural PEL (USA) Long-term value: 15* 5** mg/m³ *total dust **respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 15*: 15** mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 15** mg/m³ as Al* Total dust; ** Respirable/pyro powd./welding f. TLV USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 300 mg/m³ & Celling limit value: 1800* mg/m³ *15-min Celling limit value: 3525 mg/m³, 100 ppm RE		/m³ 1000 ppm			
TLV (USA) refer to Appendix F inTLVs and BEIs book 106-97-8 n-butane REL (USA) REL (USA) Long-term value: 1900 mg/m³, 800 ppm 7727-43-7 barium sulfate, natural PEL (USA) Long-term value: 15* 5** mg/m³ *total dust *respirable fraction REL (USA) Long-term value: 15* 5** mg/m³ *total dust *respirable fraction REL (USA) Long-term value: 5* mg/m³ *total dust *respirable fraction TLV (USA) Long-term value: 5* mg/m³ *total dust *respirable fraction TLV (USA) Long-term value: 5* mg/m³ *total dust *respirable fraction TLV (USA) Long-term value: 15*: 15** mg/m³ *inhalable fraction; E 7429-90-5 Aluminum flake PEL (USA) Long-term value: 15*: 15** mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ as Al * Total dust** Respirable/pyro powd./welding f. TLV (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min Ceiling limit value: 1800* mg/m³ *15-min					
REL (USA) Long-term value: 1900 mg/m³, 800 ppm TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm 7727-43-7 barium sulfate, natural PEL (USA) Long-term value: 15* 5** mg/m³ *total dust **respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ *total dust *respirable fraction TLV (USA) Long-term value: 5* mg/m³ *inhalable fraction; E 7429-90-5 Aluminum flake PEL (USA) Long-term value: 15*; 15** mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 15*; mg/m³ as Al*Total dust; ** Respirable/pyro powd./welding f. TLV (USA) Long-term value: 10* fo** mg/m³ as Al*Total dust** Respirable/pyro powd./welding f. TLV (USA) Long-term value: 2000 mg/m³, 500 ppm REL (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 300 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm TLV (USA) Long-term value: 525 mg/m³, 100 ppm <tr< th=""><th>TLV (USA) refer to Appendix F inTLV</th><th colspan="2">LV (USA) refer to Appendix F inTLVs and BEIs book</th></tr<>	TLV (USA) refer to Appendix F inTLV	LV (USA) refer to Appendix F inTLVs and BEIs book			
TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm 7727-43-7 barium sulfate, natural PEL (USA) Long-term value: 15* 5** mg/m³ * total dust **respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ * total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ * total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ * inhalable fraction; E 7429-90-5 Aluminum flake PEL (USA) Long-term value: 15*; 15** mg/m³ * Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ * Total dust; ** Respirable/pyro powd./welding f. TLV (USA) Long-term value: 10* 5** mg/m³ as Al; *Total dust; ** Respirable/pyro powd./welding f. TLV (USA) Long-term value: 2900 mg/m³ as Al; *as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 2900 mg/m³ REL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800° mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330					
PEL (USA) Long-term value: 15* 5** mg/m³ *total dust **respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ *inhalable fraction; E 7429-90-5 Aluminum flake PEL (USA) Long-term value: 15*; 15** mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ as Al*Total dust; ** Respirable/pyro powd./welding f. TLV (USA) Long-term value: 10* 5** mg/m³ as Al*Total dust*Respirable/pyro powd./welding f. TLV (USA) Long-term value: 10* 5** mg/m³ as Al; *as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800° mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm TLV (USA) Long-term value: 435 mg/m³, 100 ppm					
*totāl dust **respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m³ inhalable fraction; E 7429-90-5 Aluminum flake PEL (USA) Long-term value: 15*; 15** mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ as Al*Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ as Al*Total dust**Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1* mg/m³ as Al* Total dust**Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1* mg/m³ as Al* as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) Long-term value: 435 mg/m³, 100 ppm	7727-43-7 barium sulfate, natural				
REL (USA) Long-term value: 10* 5** mg/m3 *total dust **respirable fraction TLV (USA) Long-term value: 5* mg/m3 *inhalable fraction; E 7429-90-5 Aluminum flake PEL (USA) Long-term value: 15*; 15** mg/m3 *Total dust; ** Respirable fraction REL (USA) Long-term value: 15*; 15** mg/m3 as Al*Total dust; ** Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1* mg/m3 as Al*Total dust**Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1* mg/m3 as Al*Total dust**Respirable/pyro powd./welding f. TLV (USA) Long-term value: 2900 mg/m3, 500 ppm REL (USA) Long-term value: 2900 mg/m3, 500 ppm REL (USA) Long-term value: 350 mg/m3 Ceiling limit value: 1800* mg/m3 *15-min TLV (USA) Long-term value: 525 mg/m3, 100 ppm 1330-20-7 xylene (mix) PEL (USA) Long-term value: 435 mg/m3, 100 ppm	PEL (USA) Long-term value: 15* 5** n *total dust **respirable frac	USA) Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction			
TLV (USA) Long-term value: 5* mg/m³ *inhalable fraction; E 7429-90-5 Aluminum flake PEL (USA) Long-term value: 15*; 15** mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ as Al*Total dust; ** Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1* mg/m³ as Al; *as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) Long-term value: 435 mg/m³, 100 ppm	REL (USA) Long-term value: 10* 5** n	SA) Long-term value: 10* 5** mg/m ³			
inhålable fraction; E 7429-90-5 Aluminum flake PEL (USA) Long-term value: 15; 15** mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ as Al* Total dust**Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1* mg/m³ as Al; *as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 350 mg/m³ * 15-min TLV (USA) Long-term value: 350 mg/m³ * 15-min TLV (USA) Long-term value: 350 mg/m³ * 15-min TLV (USA) Long-term value: 325 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) PEL (USA) Long-term value: 435 mg/m³, 100 ppm					
PEL (USA) Long-term value: 15*; 15** mg/m³ *Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ as Al*Total dust**Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1* mg/m³ as Al; *as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) REL (USA) Long-term value: 350 mg/m³ ceiling limit value: 1800* mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) Long-term value: 435 mg/m³, 100 ppm	*inhalable fraction; E				
*Total dust; ** Respirable fraction REL (USA) Long-term value: 10* 5** mg/m³ as Al*Total dust**Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1* mg/m³ as Al; *as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) Long-term value: 435 mg/m³, 100 ppm					
as Al*Total dust**Respirable/pyro powd./welding f. TLV (USA) Long-term value: 1* mg/m³ as Al; *as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) Long-term value: 435 mg/m³, 100 ppm	*Total dust; ** Respirable	*Total dust; ** Respirable fraction			
TLV (USA) Long-term value: 1* mg/m³ as Al; *as respirable fraction 8052-41-3 Stoddard Solvent PEL (USA) Long-term value: 2900 mg/m³, 500 ppm REL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) PEL (USA) Long-term value: 435 mg/m³, 100 ppm	REL (USA) Long-term value: 10* 5** n	A) Long-term value: 10* 5** mg/m ³			
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REL (USA) Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) Long-term value: 435 mg/m³, 100 ppm		/m³, 500 ppm			
*15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) Long-term value: 435 mg/m³, 100 ppm	REL (USA) Long-term value: 350 mg/i	SA) Long-term value: 350 mg/m ³			
TLV (USA) Long-term value: 525 mg/m³, 100 ppm 1330-20-7 xylene (mix) PEL (USA) Long-term value: 435 mg/m³, 100 ppm	Celling limit value: 1800* r *15-min	ng/m²			
PEL (USA) Long-term value: 435 mg/m ³ , 100 ppm	TLV (USA) Long-term value: 525 mg/i	n³, 100 ppm			
	1330-20-7 xylene (mix)	m³ 100 ppm			

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Printing date 02/04/		Révised Un 01/20/2016	
I rade name: F	HOT SPOT ALUMINUM		
	Short-term value: 655 mg/m	(Contd. of page 2)	
	JSA) Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm		
TLV (USA)	Short-term value: 651 mg/m Long-term value: 434 mg/m	n ³ , 150 ppm	
	BEI	e, 100 ppm	
Ingredient	s with biological limit value	25:	
108-88-3 T			
BEI (USA)	BEI (USA) 0.02 mg/L Medium: blood		
	Time: prior to last shift of workweek		
	Parameter: Toluene		
	0.03 mg/L Medium: urine		
	Time: end of shift		
	Parameter: Toluene		
	0.3 mg/g creatinine Medium: urine		
	Time: end of shift		
	Parameter: o-Cresol with hy	drolysis (background)	
67-64-1 Ac BEI (USA)			
DE1 (00A)	Medium: urine		
	Time: end of shift Parameter: Acetone (nonspe	ecific)	
	xylene (mix)		
	1.5 g/g creatinine Medium: urine		
	Time: end of shift		
	Parameter: Methylhippuric a		
Hygienic p	protection:	Keep away from foodstuffs and animal feed. Wash hands after use. Immediately remove all soiled and contaminated clothing.	
		Wash hands after use.	
		Store protective clothing separately. Avoid contact with the eyes and skin.	
Broathing	equipment:	Do not eat or drink while working. A respirator is generally not necessary when using this product outdoors or in large open areas.	
Dreatining	equipment.	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 prot	ection:	Nitrile gloves.	
Eye protec	ction:	Protective gloves. The glove material must be impermeable and resistant to the substance. Tightly sealed goggles	
	and chemical properties		
Appearand Odor:	ce:	Aerosol. Aromatic	
Odor three	shold:	Not determined.	
pH-value:		Not determined.	
Melting po Boiling po	pint/Melting range	Undetermined. -44 °C (-47 °F)	
Flash poin		-19 °C (-2 °F)	
	lity (solid, gas):	Extremely flammable.	
Decompos	sition temperature:	Not determined.	
Auto igniti	ing:	Product is not self-igniting.	
Danger of	explosion:	In use, may form flammable/explosive vapour-air mixture.	
Upper Exp	olosion Limit: Dosion Limit:	1.5 Vol % 10.9 Vol %	
Vapor pres	ssure:	Not determined.	
Relative D Vapour de	ensity:	Between 0.77 and 0.85 (Water equals 1.00) Not determined.	
Evaporatio	on rate	Not applicable.	
	coefficient: n-octonal/water:	Not determined.	
Solubility: Viscosity:		Not determined. Not determined.	
Viscosity. VOC conte		602.6 g/l / 5.03 lb/gl	
VOC conte	ent (less exempt solvents):	61.7 %	
MIR Value	-	1.48	
Solids cor	ntent:	16.9 %	
10 Stability a	and reactivity		
Reactivity	:	Stable at normal temperatures.	
Condition	s to avoid:	Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.	
		(Contd. on page 4)	

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nting date 02/04/2016	
ade name: HOT SPOT ALUMINUM	
Chamical stability	(Contd. of page
Chemical stability:	Not fully evaluated.
Possibility of hazardous reactions: Incompatible materials:	No dangerous reactions known. No further relevant information available.
Hazardous decomposition:	No dangerous decomposition products known.
1 Toxicological information	
LD/LC50 values that are relevant for	r classification:
106-97-8 n-butane	
Inhalative LC50/4 h 658 mg/l (rat)	
1330-20-7 xylene (mix)	
Oral LD50 8700 mg/kg (rat)	
Dermal LD50 2000 mg/kg (rbt)	
Inhalative LC50/4 h 6350 mg/l (rat)	
Information on toxicological effects	: No data available.
Skin effects:	Irritant to skin and mucous membranes.
Eye effects:	Irritating effect.
Sensitization:	No sensitizing effects known.
Carcinogenic categories	
IARC (International Agency for Rese	
108-88-3 Toluene	
1330-20-7 xylene (mix)	
NTP (National Toxicology Program)	
None of the ingredients is listed.	
2 Ecological information	
Aquatic toxicity:	Hazardous for water, do not empty into drains.
Persistence and degradability:	The product is degradable after prolonged exposure to natural weathering processes.
Bioaccumulative potential:	No further relevant information available.
	No further relevant intermetion evalleble
Mobility in soil: Other adverse effects:	No further relevant information available.
Other adverse effects: 3 Disposal considerations Dispose of in accordance with local, s be disposed of responsibly. Do not he	No further relevant information available.
Other adverse effects: Disposal considerations Dispose of in accordance with local, s be disposed of responsibly. Do not he Recommendation:	No further relevant information available.
Other adverse effects: 3 Disposal considerations Dispose of in accordance with local, s be disposed of responsibly. Do not he Recommendation: 4 Transport information	No further relevant information available. state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans mu at or cut empty containers with electric or gas torches. Completely empty cans should be recycled.
Other adverse effects: 3 Disposal considerations Dispose of in accordance with local, s be disposed of responsibly. Do not he Recommendation: 4 Transport information UN-Number	No further relevant information available. state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must at or cut empty containers with electric or gas torches. Completely empty cans should be recycled. UN1950
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Other adverse effects: Disposal considerations Dispose of in accordance with local, s be disposed of responsibly. Do not he Recommendation: Transport information UN-Number DOT DOT ADR Transport hazard class(es): Class Marine pollutant: Special precautions for user: EMS Number: Packaging Group:	No further relevant information available. tate, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans mutator cut empty containers with electric or gas torches. Completely empty cans should be recycled. UN1950 N/A UN1950 Consumer Commodity ORM-D Aerosols, flammable 1950 Aerosols 2.1 No Warning: Gases F-D,S-U
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Other adverse effects: 3 Disposal considerations Dispose of in accordance with local, s be disposed of responsibly. Do not he Recommendation: 4 Transport information UN-Number DOT DOT ADR Transport hazard class(es): Class Marine pollutant: Special precautions for user: EMS Number: Packaging Group: UN "Model Regulation": 5 Regulatory information SARA Section 355 (extremely hazar None of the ingredients in this product SARA Section 313 (Specific toxic cf 108-88-3 Toluene 7727-43-7 barium sulfate, natural 7429-90-5 Aluminum flake 1330-20-7 xylene (mix) CPSC: California Proposition 65 chemicals 100-41-4 ethyl benzene California Proposition 65 chemicals	No further relevant information available. tate, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans mutator cut empty containers with electric or gas torches. Completely empty cans should be recycled. UN1950 N/A UN1950 Consumer Commodity ORM-D Aerosols, flammable 1950 Aerosols 2.1 No Warning: Gases F-D,S-U UN1950, Aerosols, 2.1 dous substances): are listed. This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead. Known to cause cancer:
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Other adverse effects: 3 Disposal considerations Dispose of in accordance with local, s be disposed of responsibly. Do not he Recommendation: 4 Transport information UN-Number DOT ADR Transport hazard class(es): Class Marine pollutant: Special precautions for user: EMS Number: Packaging Group: UN "Model Regulation": 5 Regulatory information SARA Section 355 (extremely hazar None of the ingredients in this product SARA Section 313 (Specific toxic cf 108-88-3 Toluene 7727-43-7 barium sulfate, natural 7429-90-5 Aluminum flake 1330-20-7 xylene (mix) CPSC: California Proposition 65 chemicals 100-41-4 ethyl benzene California Proposition 65 chemicals 100-41-4 ethyl benzene California Proposition 65 chemicals nown to cause developmental toxicity: CANADIAN ENVIRONMENTAL <td>No further relevant information available. tate, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans mut at or cut empty containers with electric or gas torches. Completely empty cans should be recycled. UN1950 UN1950 Consumer Commodity ORM-D Aerosols, flammable 1950 Aerosols 2.1 No Warning: Gases F-D,S-U </td>	No further relevant information available. tate, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans mut at or cut empty containers with electric or gas torches. Completely empty cans should be recycled. UN1950 UN1950 Consumer Commodity ORM-D Aerosols, flammable 1950 Aerosols 2.1 No Warning: Gases F-D,S-U
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Trade name: HOT SPOT ALUMINUM		
	D2A - Very toxic material causing other toxic effects	(Contd. of page 4)
EPA:		
108-88-3 Toluene		
67-64-1 Acetone		1
7727-43-7 barium sulfate, natural		D, CBD(inh), NL(oral)
1330-20-7 xylene (mix)		<u> </u>
16 Other information		
Contact: Date of preparation / last revision	Regulatory Affairs 02/04/2016 / -	