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Reviewed on 06/20/2017

Printing date 06/28/2017

1 Identification

- · Product identifier
- · Trade name: 39141 39144 Trim Black
- · Article number: 39141, 39144
- · Application of the substance / the mixture Coating

2 Hazard(s) identification

Classification of the substance or mixture
GHS02 Flame
Flam. Liq. 2 H225 Highly flammable liquid and vapor.
GHS08 Health hazard
Carc. 2 H351 Suspected of causing cancer.
Repr. 2 H361 Suspected of damaging fertility or the unborn child.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
GHS07
Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
Label elements
GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms



- · Signal word Danger
- *Hazard-determining components of labeling:* toluene butanone

- USA





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n-butyl acetate	
· Hazard statem	ents
	ammable liquid and vapor.
H315 Causes s	kin irritation.
H351 Suspected	d of causing cancer.
H361 Suspected	d of damaging fertility or the unborn child.
H336 May cau	se drowsiness or dizziness.
	se damage to organs through prolonged or repeated exposure.
· Precautionary	statements
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P	2353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)

HEALTH *1	Health = *1
	Fire = 3
REACTIVITY 0	Reactivity $= 0$

• Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

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· **vPvB:** Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description:
- Mixture: consisting of the following components.
- Weight percentages

· Dangerous components:		
108-88-3		60 - 70%
78-93-3	butanone	5 - 7%
		1.5 - 5%
1330-20-7		1.5 - 5%
1333-86-4	Carbon black	1-1.5%
100-41-4	ethylbenzene	<i>≤1%</i>

4 First-aid measures

- · Description of first aid measures
- · After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.*
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

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Safety Data Sheet acc. to OSHA HCS



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	_			
. Reference to other sections				

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108-88-3	toluene	67 ppm			
78-93-3	200 200				
123-86-4	n-butyl acetate 5				
1330-20-7	•				
1333-86-4	Carbon black	9 mg/m3			
111-76-2	2-butoxyethanol	60 ppm			
112926-00-8	precipitated Silica (Silica-Amorphous)	18 mg/n			
9002-88-4	Polyethylene low density	16 mg/m			
67-56-1	methanol	530 ppn			
100-41-4	ethylbenzene	33 ppm			
PAC-2:					
108-88-3	toluene	560 ppm			
78-93-3	butanone	2700* pp			
123-86-4	n-butyl acetate	200 ppm			
1330-20-7					
1333-86-4	-4 Carbon black				
111-76-2	-2 2-butoxyethanol				
112926-00-8	8 precipitated Silica (Silica-Amorphous)				
9002-88-4	Polyethylene low density	170 mg/n			
67-56-1	1 methanol				
100-41-4	-4 ethylbenzene				
PAC-3:					
108-88-3	toluene	3700* ppm			
78-93-3	butanone	4000* ppm			
123-86-4	n-butyl acetate	3000* ppm			
1330-20-7	7 xylene 2500*				
1333-86-4	4 Carbon black 590				
111-76-2	2 2-butoxyethanol 700 µ				
	precipitated Silica (Silica-Amorphous)	1,200 mg/n			
9002-88-4	Polyethylene low density	1,000 mg/n			
67-56-1	methanol	7200* ppm			
100-41-4	ethylbenzene	1800* ppm			

7 Handling and storage

· Handling:

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· Precautions for safe handling No special measures required.



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- · Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
- Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles. • Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

· Control parameters

PEL I	8-3 toluene Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m ³ , 150 ppm
(Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm
	Long-term value: 375 mg/m³, 100 ppm
	Long-term value: 75 mg/m³, 20 ppm BEI
78-93	-3 butanone
PEL I	Long-term value: 590 mg/m³, 200 ppm
	Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm
1	Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm BEI
123-8	6-4 n-butyl acetate
PEL I	Long-term value: 710 mg/m³, 150 ppm
REL I	Long-term value: 950 mg/m³, 200 ppm
	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm
1330-2	20-7 xylene
PEL I	Long-term value: 435 mg/m³, 100 ppm
	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
1	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI (Contd. on page 6)



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	2-86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m ³	
REL	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs;See Pocket Guide Apps.A+C	
TLV	Long-term value: 3* mg/m ³ *inhalable fraction	
100-4	41-4 ethylbenzene	
PEL	Long-term value: 435 mg/m ³ , 100 ppm	
REL	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm	
TLV	Long-term value: 87 mg/m ³ , 20 ppm BEI	
·Ingr	edients with biological limit values:	
108-	88-3 toluene	
BEI	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 hydrolysis (background)	
78-9.	3-3 butanone	
BEI	2 mg/L	
	Medium: urine	
	Time: end of shift	
	Parameter: MEK	
	-20-7 xylene	
BEI	1.5 g/g creatinine	
	Medium: urine	
	Time: end of shift	
	Parameter: Methylhippuric acids	
	41-4 ethylbenzene	
	0.7 g/g creatinine	
	Medium: urine	
	Time: end of shift at end of workweek	
	Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)	
	- Medium: end-exhaled air	
	Time: not critical	
	Parameter: Ethyl benzene (semi-quantitative)	
	· · · · · · · · · · · · · · · · · · ·	(Contd. on page 7)



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• Additional information: The lists that were valid during the creation were used as basis.

- · Exposure controls
- · Personal protective equipment:
- \cdot General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the skin. Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. • *Material of gloves*

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

 Inform 	atio	n or	ı basic	physical	and	chemical	properties

• General Information

· Appearance:	
Form:	Liquid
Color:	According to product specification
· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	79-80.5 °C



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Flash point:	-4 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	514 °C
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.0 Vol %
Vapor pressure at 20 °C:	29 hPa
Density at 20 °C:	0.9238 g/cm ³
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wa	ter): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	76.2 %
VOC content:	76.2 %
	703.5 g/l / 5.87 lb/gl
Solids content:	23.5 %
Other information	No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

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11 Toxicological information

· Information on toxicological effects

• Acute toxicity:

· LD/LC50 values that are relevant for classification:

108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

· Primary irritant effect:

• on the skin: Irritant to skin and mucous membranes.

• on the eye: No irritating effect.

· Sensitization: No sensitizing effects known.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)			
108-88-3	toluene		3
1330-20-7	xylene		3
1333-86-4	Carbon black		2B
111-76-2	2-butoxyethanol		3
68855-54-9	diatomaceous earth		GROUP 1
9002-88-4	Polyethylene low density		3
100-41-4	ethylbenzene		2B
· NTP (National Toxicology Program)			
68855-54-9	diatomaceous earth	HUMAN CARCINOGEN	
· OSHA-Ca (Occupational Safety & Health Administration)			
None of the ingredients is listed.			

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.



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• Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

· UN-Number · DOT, ADR, IMDG, IATA	UN1263
· UN proper shipping name · DOT	Paint
ADR	1263 Paint, special provision 640D
· IMDG, IATA	PAINT
· Transport hazard class(es)	
·DOT	
RUMINEE LOOD	
· Class	3 Flammable liquids
· Label	3
· Class	3 Flammable liquids
· Label	3
· Packing group · DOT, ADR, IMDG, IATA	II
Environmental hazards: Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· EMS Number:	<i>F-E</i> , <u><i>S</i>-<i>E</i></u>
· Stowage Category	B
· Transport in bulk according to Annex	II of



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Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
ADR	
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1263 PAINT, SPECIAL PROVISION 640D, 3, II

15 Regulatory information

*

 \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot Sara

None of th	he ingredient is listed.	
Section 31	13 (Specific toxic chemical listings):	
108-88-3	3 toluene	
	Acrylic Resin	
78-93-3	3 butanone	
1330-20-7	7 xylene	
111-76-2	2 2-butoxyethanol	
67-56-1	l methanol	
100-41-4	4 ethylbenzene	
TSCA (To	oxic Substances Control Act):	_
108-88-	-3 toluene	
78-93-	-3 butanone	
123-86-	-4 n-butyl acetate	
16883-83-	-3 benzyl 3-isobutryloxy-1-isopropyl-2-2-dimethylpropyl phthalate	
1330-20-	-7 xylene	
1333-86-	-4 Carbon black	
68611-44-	-9 Modified Silica	
111-76-	-2 2-butoxyethanol	
68855-54-	-9 diatomaceous earth	
9002-88-	-4 Polyethylene low density	
, <u>.</u>		_
	-1 methanol	

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7732-18-5		
· Proposition		
	known to cause cancer:	
1330-20-7	xylene	
	Carbon black	
68855-54-9	diatomaceous earth	
100-41-4	ethylbenzene	
· Chemicals	known to cause reproductive toxicity for females:	
None of the	ingredients is listed.	
· Chemicals	known to cause reproductive toxicity for males:	
None of the	ingredients is listed.	
· Chemicals	known to cause developmental toxicity:	
108-88-3 te	oluene	
67-56-1 n	nethanol	
· Canceroger	nity categories	
· EPA (Envi	ronmental Protection Agency)	
108-88-3	toluene	II
78-93-3	butanone	Ι
1330-20-7	xylene	Ι
111-76-2	2-butoxyethanol	NL
100-41-4	ethylbenzene	D
· TLV (Three	shold Limit Value established by ACGIH)	
108-88-3	toluene	A4
1330-20-7	xylene	A4
1333-86-4	Carbon black	A4
111-76-2	2-butoxyethanol	A3
100-41-4	ethylbenzene	A3
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	
1333-86-4	Carbon black	
67-56-1	methanol	

• *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



· Signal word Danger

• *Hazard-determining components of labeling:* toluene butanone n-butyl acetate



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• Hazard statemen	uts
H225 Highly flan	nmable liquid and vapor.
H315 Causes ski	n irritation.
H351 Suspected	of causing cancer.
H361 Suspected	of damaging fertility or the unborn child.
H336 May cause	drowsiness or dizziness.
H373 May cause	damage to organs through prolonged or repeated exposure.
· Precautionary st	atements
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
<i>P303+P361+P3</i> .	53 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/
	shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environment protection department.

· Date of preparation / last revision 06/28/2017 / 9

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances



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ELINCS: European List of Notified Chemical Substances
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT SE 5. Specific larger organ toxicity (single exposure) – Category 5 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
\cdot * Data compared to the previous version altered.