Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date: 26.06.2013 **Revision:** 26.06.2013

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Solvent

CAS Number:
64742-95-6

EC number:
265-199-0

Index number:
649-356-00-4

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the preparation: Preparation of coatings

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:
Absolute Coatings Inc.
38 Portman Road
New Rochelle, NY 10801
Phone: 1-800-221-8010

1.4 Emergency telephone number:
ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS08 health hazard

Muta. 1B; H340: May cause genetic defects.
Carc. 1B; H350: May cause cancer.
Asp. Tox. 1; H304: May be fatal if swallowed and enters airways.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

T; Toxic
Carc. Cat. 2, Muta. Cat. 2
R45-46: May cause cancer. May cause heritable genetic damage.

Xn; Harmful
R65: Harmful: may cause lung damage if swallowed.

Information concerning particular hazards for human and environment:
Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H411.
The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS08

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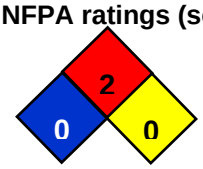
Signal word: Danger
Hazard-determining components of labelling:
Solvent naphtha (petroleum), light arom.

Hazard statements
H340: May cause genetic defects.
H350: May cause cancer.
H304: May be fatal if swallowed and enters airways.

Precautionary statements
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P281: Use personal protective equipment as required.
P202: Do not handle until all safety precautions have been read and understood.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P331: Do NOT induce vomiting.
Additional information:
Restricted to professional users.
Hazard description:
WHMIS-symbols:
B3 - Combustible liquid
D2A - Very toxic material causing other toxic effects

NFPA ratings (scale 0 - 4)



Health = 0
Fire = 2
Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	0	Health =0
FIRE	2	Fire = 2
REACTIVITY	0	Reactivity = 0

HMIS Long Term Health Hazard Substances
Substance is not listed.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

3.1 Substances
CAS No. Description
64742-95-6 Solvent naphtha (petroleum), light arom.
Identification number(s)
EC number: 265-199-0
Index number: 649-356-00-4

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Impurities and stabilising additives:	
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3	Toluene Xn R48/20-63-65; Xi R38; F R11; R67; Repr. Cat. 3 Flam. Liq. 2, H225 Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304 Skin Irrit. 2, H315; STOT SE 3, H336
CAS: 71-43-2 EINECS: 200-753-7 Index number: 601-020-00-8	Benzene T Carc. Cat. 1, Muta. Cat. 2 R45-46-48/23/24/25; Xn R65; Xi R36/38; F R11 Flam. Liq. 2, H225 Muta. 1B, H340; Carc. 1A, H350; STOT RE 1, H372; Asp. Tox. 1, H304 Skin Irrit. 2, H315; Eye Irrit. 2, H319

4 First aid measures

4.1 Description of first aid measures

General information:
Take affected persons out into the fresh air.
In case of irregular breathing or respiratory arrest provide artificial respiration.
Do not leave affected persons unattended.
Provide oxygen treatment if affected person has difficulty breathing.

After inhalation:
Take affected persons into fresh air and keep quiet.
Seek immediate medical advice.
In case of irregular breathing or respiratory arrest provide artificial respiration.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:
Protect unharmed eye.
Rinse opened eye for several minutes under running water.
Remove contact lenses if worn.
Seek immediate medical advice.

After eye contact:
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.

After swallowing:
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
A person vomiting while laying on their back should be turned onto their side.

4.2 Most important symptoms and effects, both acute and delayed
Coughing
Dizziness
Headache
Breathing difficulty
Disorientation
Gastric or intestinal disorders.
Unconsciousness

Hazards:
Danger of pulmonary oedema.
Danger of convulsion.
Danger of impaired breathing.

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Danger of cerebral oedema.
Danger of disturbed cardiac rhythm.
Condition may deteriorate with alcohol consumption.
4.3 Indication of any immediate medical attention and special treatment needed
If swallowed, gastric irrigation with added, activated carbon.
Contains petroleum distillates.
May produce a narcotic effect.
Monitor circulation, possible shock treatment.
If necessary oxygen respiration treatment.
Later observation for pneumonia and pulmonary oedema.
Medical supervision for at least 48 hours.
If swallowed or in case of vomiting, danger of entering the lungs.

5 Firefighting measures
5.1 Extinguishing media
Suitable extinguishing agents:
Alcohol resistant foam
Foam
Carbon dioxide
Gaseous extinguishing agents
Fire-extinguishing powder
Water haze or fog
For safety reasons unsuitable extinguishing agents:
Water with full jet
Water spray
5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
5.3 Advice for firefighters
Protective equipment:
Wear self-contained respiratory protective device.
Wear fully protective suit.
Additional information:
Eliminate all ignition sources if safe to do so.
Use large quantities of foam as it is partially destroyed by the product.
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures
Use respiratory protective device against the effects of fumes/dust/aerosol.
Isolate area and prevent access.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Protect from heat.
Particular danger of slipping on leaked/spilled product.
6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to item 13.

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6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling
Open and handle receptacle with care.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid splashes or spray in enclosed areas.
Information about fire - and explosion protection:
Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Provide ventilation for receptacles.
Avoid storage near extreme heat, ignition sources or open flame.
Store in a cool location.
Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from oxidizing agents.
Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
7.3 Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.
8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
95-63-6 1,2,4-trimethylbenzene	
IOELV (EU)	Long-term value: 100 mg/m³, 20 ppm
REL (USA)	Long-term value: 125 mg/m³, 25 ppm
TLV (USA)	Long-term value: 123 mg/m³, 25 ppm
108-67-8 mesitylene	
IOELV (EU)	Long-term value: 100 mg/m³, 20 ppm
REL (USA)	Long-term value: 125 mg/m³, 25 ppm
TLV (USA)	Long-term value: 123 mg/m³, 25 ppm
98-82-8 cumene	
IOELV (EU)	Short-term value: 250 mg/m³, 50 ppm Long-term value: 100 mg/m³, 20 ppm Skin
PEL (USA)	Long-term value: 245 mg/m³, 50 ppm Skin
REL (USA)	Long-term value: 245 mg/m³, 50 ppm Skin
TLV (USA)	Long-term value: 246 mg/m³, 50 ppm
EL (Canada)	Short-term value: 75 ppm Long-term value: 25 ppm

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EV (Canada)	Long-term value: 245 mg/m³, 50 ppm Skin
526-73-8 1,2,3-trimethylbenzene	
IOELV (EU)	Long-term value: 100 mg/m³, 20 ppm
REL (USA)	Long-term value: 125 mg/m³, 25 ppm
TLV (USA)	Long-term value: 123 mg/m³, 25 ppm
xylenes	
IOELV (EU)	Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin
PEL (USA)	Long-term value: 435 mg/m³, 100 ppm
REL (USA)	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV (USA)	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI
EL (Canada)	Short-term value: 150 ppm Long-term value: 100 ppm
EV (Canada)	Short-term value: 650 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
108-88-3 toluene	
PEL (USA)	Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift
REL (USA)	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm
TLV (USA)	Long-term value: 75 mg/m³, 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm R
EV (Canada)	Long-term value: 20 ppm
71-43-2 benzene	
PEL (USA)	Short-term value: 15* mg/m³, 5* ppm Long-term value: 3* mg/m³, 1* ppm *table Z-2 for exclusions in 29CFR1910,1028(d)
REL (USA)	Short-term value: 1 ppm Long-term value: 0.1 ppm See Pocket Guide App. A
TLV (USA)	Short-term value: 8 mg/m³, 2.5 ppm Long-term value: 1.6 mg/m³, 0.5 ppm Skin; BEI
EL (Canada)	Short-term value: 2.5 ppm Long-term value: 0.5 ppm Skin; ACGIH A1; IARC 1
EV (Canada)	Short-term value: 2.5 ppm Long-term value: 0.5 ppm Skin

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DNELs: No further relevant information available.
PNECs: No further relevant information available.
Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
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.
Do not inhale gases / fumes / aerosols.
Respiratory protection:
Use suitable respiratory protective device when aerosol or mist is formed.
Use suitable respiratory protective device in case of insufficient ventilation.
NIOSH approved organic vapor equipped with a dust/mist prefilter should be used.
Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. 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.
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.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:

Safety glasses

Body protection: Solvent resistant protective clothing
Limitation and supervision of exposure into the environment
No further relevant information available.
Risk management measures
See Section 7 for additional information.
No further relevant information available.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:

Form:	Liquid
Colour:	Clear
Odour:	Aromatic
Odour threshold:	Not determined.

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pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	302 °F / 150 °C
Flash point:	100 °F / 38 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	945 °F / 507 °C
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
Explosion limits:	
Lower:	0.6 Vol %
Upper:	7.0 Vol %
Vapour pressure at 25 °C:	<0.1 psia / < 7 hPa
Density:	0.88 g/cm³
Relative density:	Not determined.
Vapour density:	4.3
Evaporation rate:	<1.0 (Butyl Acetate = 1.0)
Solubility in / Miscibility with	
Water:	Insoluble.
Partition coefficient (n-octanol/water) at 25 °C:	> 3.0 log POW (Estimate)
Viscosity:	
Dynamic:	Not determined.
Kinematic:	<20 mm2/sec (Estimate)
Solvent content:	
Organic solvents::	100,0 % (7.311 lbs/gal ; 876 g/L)
9.2 Other information:	No further relevant information available.

10 Stability and reactivity

10.1 Reactivity
10.2 Chemical stability:
Thermal decomposition / conditions to be avoided:
No decomposition if used and stored according to specifications
10.3 Possibility of hazardous reactions
Flammable.
Forms flammable gases/fumes.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
Used empty containers may contain product gases which form explosive mixtures with air.
Develops readily flammable gases/fumes.
Can react violently with oxygen rich (oxidizing) material. Danger of Explosion.
Toxic fumes may be released if heated above the decomposition point.
10.4 Conditions to avoid:
Keep ignition sources away - Do not smoke.
Keep away from heat and direct sunlight.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products:
Carbon monoxide and carbon dioxide
Hydrocarbons

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11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:		
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10,2 mg/l (rat)
108-88-3 toluene		
Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)
71-43-2 benzene		
Oral	LD50	4894 mg/kg (rat)
Dermal	LD50	48 mg/kg (mouse)
Inhalative	LC50/4 h	9980 mg/l (mouse)

Primary irritant effect:
On the skin: Slight irritant effect on skin and mucous membranes.
On the eye: Irritating effect.
Sensitization: No sensitizing effects known.
Subacute to chronic toxicity: Vapours have narcotic effect.
Additional toxicological information:
Toxic
Inhalation of concentrated vapours as well as oral intake will lead to anesthesia-like conditions and headache, dizziness, etc.
Toxic and/or corrosive effects may be delayed up to 24 hours.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
Repeated dose toxicity:
May cause damage to organs through prolonged or repeated exposure.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):
Muta. 1B, Carc. 1B

12 Ecological information

12.1 Toxicity
Aquatic toxicity: The product contains materials that are harmful to the environment.
12.2 Persistence and degradability: The product is partially biodegradable. Significant residuals remain.
12.3 Bioaccumulative potential: May be accumulated in organism
12.4 Mobility in soil: No further relevant information available.
Ecotoxical effects:
Remark:
Harmful to fish
The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.
Due to mechanical actions of the product (e.g. agglutinations) damages may occur.
Additional ecological information:
General notes:
This statement was deduced from the properties of the single components.
Avoid transfer into the environment.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment cannot be excluded.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

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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.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects: No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Can be reused after reprocessing.
Contact waste processors for recycling information.
Uncleaned packaging:
Recommendation:
Disposal must be made according to official regulations.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

14.1 UN-Number	
DOT, ADR, IMDG, IATA:	UN1268
14.2 UN proper shipping name	
DOT, IMDG, IATA:	Petroleum Distillates, N.O.S. (Naphtha)
ADR:	1268, Petroleum Distillates, N.O.S. (Naphtha)
14.3 Transport hazard class(es)	
DOT:	
	
Class:	3 Flammable liquids.
Label:	3
ADR:	
	
Class:	3 (F1) Flammable liquids.
Label:	3
IMDG, IATA:	
	
Class:	3 Flammable liquids.
Label:	3
14.4 Packing group	
DOT, ADR, IMDG, IATA:	III

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14.5 Environmental hazards:	
Marine pollutant:	Yes
14.6 Special precautions for user:	Warning: Flammable liquids.
Danger code (Kemler):	30
EMS Number:	F-E,S-E
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ):	5L
Transport category:	3
Tunnel restriction code:	D/E
UN "Model Regulation":	UN1268, Petroleum Distillates, N.O.S. (Naphtha), 3 III

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
United States (USA)
SARA

Section 355 (extremely hazardous substances):
Substance is not listed.
Section 313 (Specific toxic chemical listings):
Substance is not listed.
TSCA (Toxic Substances Control Act):
Substance is listed.

Proposition 65 (California):

Chemicals known to cause cancer:	
Present in trace quantities.	
71-43-2	benzene
Chemicals known to cause reproductive toxicity for females:	
Present in trace quantities.	
108-88-3	toluene
Chemicals known to cause reproductive toxicity for males:	
Present in trace quantities.	
71-43-2	benzene
Chemicals known to cause developmental toxicity:	
Present in trace quantities.	
71-43-2	benzene
108-88-3	toluene

Carcinogenic Categories

EPA (Environmental Protection Agency)	
Substance is not listed.	
IARC (International Agency for Research on Cancer)	
Substance is not listed.	
TLV (Threshold Limit Value established by ACGIH)	
Substance is not listed.	A4

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NIOSH-Ca (National Institute for Occupational Safety and Health)
Substance is not listed.
OSHA-Ca (Occupational Safety & Health Administration)
Substance is not listed.

Canada

Canadian Domestic Substances List (DSL)
Substance is listed.
Canadian Ingredient Disclosure list (limit 0.1%)
Substance is not listed.
Canadian Ingredient Disclosure list (limit 1%)
Substance is not listed.

National regulations:

Information about limitation of use:
Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases.

15.2 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.

Abbreviations and Acronyms:
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
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent