Safety Data Sheet

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

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

1.1 Product identifier

Trade Name: **Engine Enamel - Colors Vary**

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: Coating compound/ Surface coating/ paint

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

GHS02 flame

Flam. Liq. 3; H226: Flammable liquid and vapour.

GHS08 health hazard

Asp. Tox. 1; H304: May be fatal if swallowed and enters airways.

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

Xn; Harmful
R65: Harmful: may cause lung damage if swallowed.
R10: Flammable.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

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.

This pictogram only applicable for EU regulations. Not for use in the United States (OSHA GHS).

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

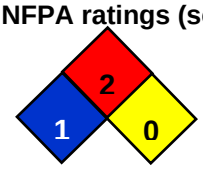
Hazard pictograms

GHS02 GHS08
Signal word: Danger
Hazard-determining components of labelling:
Solvent naphtha (petroleum), medium aliph.
Stoddard solvent

Hazard statements
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation:
H411.
H226: Flammable liquid and vapour.
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.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P233: Keep container tightly closed.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378: In case of fire: Use foam, powder, or carbon dioxide for extinction.
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P403+P235: Store in a well-ventilated place. Keep cool.
Hazard description:
WHMIS-symbols:
B3 - Combustible liquid

NFPA ratings (scale 0 - 4)



Health = 1
Fire = 2
Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	*1	
FIRE	2	
REACTIVITY	0	

Health =*1
Fire = 2
Reactivity = 0

HMIS Long Term Health Hazard Substances	
13463-67-7	Titanium dioxide

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

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

3 Composition/information on ingredients

3.2 Mixtures
Description: Mixture of substances listed below with nonhazardous additions.
Dangerous components:

CAS: 64742-88-7 EINECS: 265-191-7 Index number: 649-405-00-X	Solvent naphtha (petroleum), medium aliph. Xn R65 Asp. Tox. 1, H304	25-50%
CAS: 8052-41-3 EINECS: 232-489-3 Index number: 649-345-00-4	Stoddard solvent Xn R65; Carc. Cat. 2, Muta. Cat. 2 Flam. Liq. 3, H226 Asp. Tox. 1, H304	25-50%
CAS: 1333-86-4	Carbon black (non-respirable with <0.1% PAH content) substance with a Community workplace exposure limit	2.5-10%
CAS: 7429-90-5	Aluminum metal F R15	2.5-10%

Additional information: For the wording of the listed risk phrases refer to section 16.

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.
Provide oxygen treatment if affected person has difficulty breathing.
After inhalation:
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
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
Dizziness
Coughing
Breathing difficulty
Headache
Nausea Cramp
Disorientation
Profuse sweating
Hazards:
Danger of pulmonary oedema.
Danger of impaired breathing.
Danger of convulsion.

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

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.
If swallowed or in case of vomiting, danger of entering the lungs.
Monitor circulation, possible shock treatment.
If necessary oxygen respiration treatment.
Later observation for pneumonia and pulmonary oedema.
Medical supervision for at least 48 hours.
May produce a narcotic effect.

5 Firefighting measures
5.1 Extinguishing media
Suitable extinguishing agents:
Alcohol resistant foam; Foam
Fire-extinguishing powder
Gaseous extinguishing agents
Carbon dioxide
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.

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.
6.2 Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.
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.
Do not flush with water or aqueous cleansing agents
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.

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

7 Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid splashes or spray in enclosed areas.
Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Emergency cooling must be available in case of nearby fire.
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.
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.
Keep container tightly sealed.
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:	
8052-41-3 Stoddard solvent	
PEL (USA)	Long-term value: 2900 mg/m³, 500 ppm
REL (USA)	Short-term value: C 1800* mg/m³ Long-term value: 350 mg/m³ *15-min
TLV (USA)	Long-term value: 525 mg/m³, 100 ppm Short-term value: 580 mg/m³
EL (Canada)	Long-term value: 290 mg/m³
EV (Canada)	Long-term value: 525 mg/m³
1333-86-4 carbon black (non-respirable with <0.1% PAH content)	
PEL (USA)	Long-term value: 3,5 mg/m³
REL (USA)	Long-term value: 3,5* mg/m³ *0,1 in presence of PAHs;See Pocket Guide Apps.A+C
TLV (USA)	Long-term value: 3* mg/m³ *inhalable fraction
EL (Canada)	Long-term value: 3 mg/m³ IARC 2B
EV (Canada)	Long-term value: 3,5 mg/m³

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

7429-90-5 Aluminum metal	
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
TLV (USA)	Long-term value: 1* mg/m³ as Al; *as respirable fraction
EL (Canada)	Long-term value: 1,0 mg/m³ metal and insoluble compdounds, respirable
EV (Canada)	Long-term value: 5 mg/m³ aluminium-containing (as aluminium)

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:
Avoid contact with the eyes and skin.
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Respiratory protection:

Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

Protection of hands:
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
Neoprene 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 cannot be calculated in advance and has therefore to be checked prior to the application.
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:
Contact lenses should not be worn.

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.

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Appearance:	
Form:	Liquid
Colour:	Various colours
Odour:	Solvent-like
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	>284 ° F / >140 °C
Flash point:	>105 ° F / >41 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	0.848-0.945 g/cm³
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
VOC (US EPA Method 24A):	60-68 % Wt (Max - <430 g/L)
VOC (California):	60-68 %Wt (Max - <430 g/L)
Solids content:):	32-40 % (Max)
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

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

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

11 Toxicological information

11.1 Information on toxicological effects
Acute toxicity:

LD/LC50 values relevant for classification:		
64742-88-7 Solvent naphtha (petroleum), medium aliph.		
Oral	LD50	>6500 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
Inhalative	LC50/4 h	>14 mg/l (rat)

Primary irritant effect:
On the skin: Slight irritant effect on skin and mucous membranes.
On the eye: Slight irritant effect on eyes.
Sensitization: No sensitizing effects known.
Subacute to chronic toxicity: Vapours have narcotic effect.
Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version
Harmful
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent. Toxic and/or corrosive effects may be delayed up to 24 hours.
Repeated dose toxicity:
May cause damage to organs through prolonged or repeated exposure.

12 Ecological information

12.1 Toxicity
Aquatic toxicity: Toxic for aquatic organisms
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:
Toxic for 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:

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

General notes:
This statement was deduced from the properties of the single components. 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. 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. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

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.
Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14 Transport information

14.1 UN-Number	
DOT:	N/A
ADR, IMDG, IATA:	UN1263
14.2 UN proper shipping name	
DOT:	N/A
ADR:	1263, Paint Related Material
IMDG, IATA:	Paint Related Material
14.3 Transport hazard class(es)	
DOT	
Class:	N/A
ADR	
Class:	3 (F1) Flammable liquids.
Label:	3
IMDG	
Class:	3 Flammable liquids.
Label:	3
IATA	
Class:	3 Flammable liquids.
Label:	3

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

14.4 Packing group	
DOT:	N/A
ADR, IMDG, IATA:	III
14.5 Environmental hazards:	
Marine pollutant:	Yes
	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user:	Warning: Flammable liquids.
Danger code (Kemler):	30
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":	UN1263, Paint Related material, 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):	
None of the ingredients is listed.	
Section 313 (Specific toxic chemical listings):	
7429-90-5	aluminium powder (stabilised)
7440-50-8	copper
7440-66-6	zinc powder -zinc dust (stabilized)
TSCA (Toxic Substances Control Act):	
All ingredients are listed.	

Proposition 65 (California):

Chemicals known to cause cancer:	
References to chemical components listed below are based on unbound respirable particles and are not generally applicable to product as supplied.	
13463-67-7	titanium dioxide
1333-86-4	Carbon black
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:	
None of the ingredients is listed.	

Carcinogenic Categories

EPA (Environmental Protection Agency)		
7440-50-8	copper	D
7440-66-6	zinc powder -zinc dust (stabilized)	II

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

Printing date: 03.07.2013 **Revision:** 03.07.2013

Trade Name: Engine Enamel - Colors Vary

IARC (International Agency for Research on Cancer)		
13463-67-7	titanium dioxide	2B
1333-86-4	Carbon black	2B
TLV (Threshold Limit Value established by ACGIH)		
13463-67-7	titanium dioxide	A4
1333-86-4	Carbon black	A4
7429-90-5	aluminium powder (stabilised)	A4
NIOSH-Ca (National Institute for Occupational Safety and Health)		
13463-67-7	titanium dioxide	
1333-86-4	Carbon black	
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

Canada

Canadian Domestic Substances List (DSL)	
All ingredients are listed.	
Canadian Ingredient Disclosure list (limit 0.1%)	
None of the ingredients is listed.	
Canadian Ingredient Disclosure list (limit 1%)	
8052-41-3	Stoddard solvent
1333-86-4	Carbon black
7429-90-5	aluminium powder (stabilised)
7440-50-8	copper

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.

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
R15: Contact with water liberates extremely flammable gases.
R65: Harmful: may cause lung damage if swallowed.

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