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# Safety Data Sheet



# 1. Identification

Product Name: STRUST QT 2PK METALC ALUMINUM Revision Date: 7/7/2017

Product Identifier: 7715502 Supercedes Date: 7/7/2017

Product Use/Class: Topcoat/Alkyd

Supplier: Rust-Oleum Corporation Manufacturer: Rust-Oleum Corporation

11 Hawthorn Parkway Vernon Hills, IL 60061

USA

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Vernon Hills, IL 60061

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Preparer: Regulatory Department

**Emergency Telephone:** 24 Hour Hotline: 847-367-7700

## 2. Hazard Identification

#### Classification

#### Symbol(s) of Product



## Signal Word Danger

## Possible Hazards

76% of the mixture consists of ingredient(s) of unknown acute toxicity.

#### **GHS HAZARD STATEMENTS**

Flammable Liquid, category	y 3 H226	Flammable liquid and vapour.
Germ Cell Mutagenicity, car	tegory 1B H340	May cause genetic defects.
Carcinogenicity, category 1	B H350	May cause cancer.
Reproductive Toxicity, cate	gory 2 H361	Suspected of damaging fertility or the unborn child.
STOT, repeated exposure,	category 2 H373	May cause damage to organs through prolonged or repeated exposure.
Acute Toxicity, Inhalation, o	category 3 H331	Toxic if inhaled.
Skin Irritation, category 2	H315	Causes skin irritation.
Serious Eye Damage, categ	gory 1 H318	Causes serious eye damage.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.

## **GHS LABEL PRECAUTIONARY STATEMENTS**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P370+P378 In case of fire: Use alcohol film forming foam, carbon dioxide, dry chemical, dry sand to

extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local, regional and national regulations.

P201 Obtain special instructions before use.

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P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P311 Call a POISON CENTER or doctor/physician.

P321 For specific treatment see label

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P264 Wash hands thoroughly after handling.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P310 If exposed immediately call a POISON CENTER or doctor/physician.
P272 Contaminated work clothing should not be allowed out of the workplace.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

#### **GHS SDS PRECAUTIONARY STATEMENTS**

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.

P363 Wash contaminated clothing before reuse.

# 3. Composition/Information On Ingredients

## **HAZARDOUS SUBSTANCES**

Chemical Name	CAS-No.	<u>Wt.%</u> <u>Range</u>	GHS Symbols	GHS Statements
Octadecylamine	124-30-1	25-50	GHS05-GHS08	H304-315-318-373
Cobalt 2-Ethylhexanoate	136-52-7	10-25	Not Available	Not Available
Methyl Ethyl Ketoxime	96-29-7	10-25	GHS05-GHS06	H302-312-317-318-331
Naphtha, Hydrotreated Heavy	64742-48-9	2.5-10	GHS08	H304-340-350
Glycol Ether	PROPRIET ARY	0.1-1.0	Not Available	Not Available
Propionic acid	79-09-4	0.1-1.0	GHS05-GHS06	H302-311-314-332-335
2-Ethylhexanoic Acid	149-57-5	0.1-1.0	GHS07-GHS08	H302-312-361

# 4. First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

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# 5. Fire-fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep containers tightly closed. No unusual fire or explosion hazards noted. Closed containers may explode when exposed to extreme heat due to buildup of steam. Combustible liquid and vapor.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

# 6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools.

# 7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Avoid excess heat.

# 8. Exposure Controls/Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Octadecylamine	124-30-1	45.0	N.E.	N.E.	N.E.	N.E.
Cobalt 2-Ethylhexanoate	136-52-7	25.0	N.E.	N.E.	N.E.	N.E.
Methyl Ethyl Ketoxime	96-29-7	25.0	10 ppm	N.E.	N.E.	N.E.
Naphtha, Hydrotreated Heavy	64742-48-9	10.0	N.E.	N.E.	N.E.	N.E.
Glycol Ether	PROPRIETARY	1.0	N.E.	N.E.	N.E.	N.E.
Propionic acid	79-09-4	1.0	10 ppm	N.E.	N.E.	N.E.
2-Ethylhexanoic Acid	149-57-5	1.0	5 mg/m3 (Vapor)	N.E.	N.E.	N.E.

#### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve crossventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

**SKIN PROTECTION:** Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

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# 9. Physical and Chemical Properties

Appearance: **Physical State:** Liquid Liquid Odor: **Odor Threshold:** Solvent Like N.E. **Relative Density:** 0.898 pH: N.A. Freeze Point, °C: Viscosity: N.D. N.D. Solubility in Water: Negligible Partition Coefficient, n-octanol/ N.D. water: Decompostion Temp., °C: N.D. Explosive Limits, vol%: Boiling Range, °C: 152 - 349 0.7 - 8.9Flash Point, °C: Flammability: Supports Combustion 39 **Evaporation Rate:** Auto-ignition Temp., °C: Slower than Ether N.D. Vapor Density: Heavier than Air Vapor Pressure: N.D.

(See "Other information" Section for abbreviation legend)

# 10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid all possible sources of ignition. Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

## 11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation. Substance causes moderate eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin irritation. Substance may cause slight skin irritation.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. May cause headaches and dizziness. High vapor concentrations are irritating to the eyes, nose, throat and lungs. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Aspiration hazard if swallowed; can enter lungs and cause damage. Irritating to the nose, throat and respiratory tract. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

#### **ACUTE TOXICITY VALUES**

The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
124-30-1	Octadecylamine	4800 mg/kg Rat	N.I.	N.I.
136-52-7	Cobalt 2-Ethylhexanoate	N.I.	>5000 mg/kg Rabbit	N.I.
96-29-7	Methyl Ethyl Ketoxime	930 mg/kg Rat	1100 mg/kg Rabbit	>4.8 mg/L Rat
64742-48-9	Naphtha, Hydrotreated Heavy	>6000 mg/kg Rat	>3160 mg/kg Rabbit	N.I.
79-09-4	Propionic acid	351 mg/kg Rat	496 mg/kg Rabbit	N.I.
149-57-5	2-Ethylhexanoic Acid	1600 mg/kg Rat	1140 mg/kg Rabbit	N.I.

N.I. - No Information

# 12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components. Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

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# 14. Transport Information

	Domestic (USDOT)	International (IMDG)	<u>Air (IATA)</u>	TDG (Canada)
UN Number:	N.A.	1263	1263	N.A.
December 1981	Not De sylvte d	Deine	Deita	Not Developed
Proper Shipping Name:	Not Regulated	Paint	Paint	Not Regulated
Hazard Class:	N.A.	3	3	N.A.
Packing Group:	N.A.	III	III	N.A.
Limited Quantity:	No	Yes, >5L No	Yes, >5L No	No

# 15. Regulatory Information

# **U.S. Federal Regulations:**

# **CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

No Information

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical NameCAS-No.Cobalt 2-Ethylhexanoate136-52-7Glycol EtherPROPRIETARY

# **Toxic Substances Control Act:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

# 16. Other Information

**HMIS RATINGS** 

Health: 2\* Flammability: 2 Physical Hazard: 0 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 2 Instability 0

VOLATILE ORGANIC COMPOUNDS, g/L: 304

SDS REVISION DATE: 7/7/2017

**REASON FOR REVISION:** 

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.