

Safety Data Sheet

Product Code: 36-603G

SDS Revision Date: 02/21/2017

SDS Revision Number:

1. Identification of the preparation and company

1.1 Product identifier:

Product Identity 36-603G Vel-Von Alumium

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

Intended Use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3 Details of the supplier of the safety data sheet

Company Name: Toledo Paint & Chemical Company
33 Blucher Street
P.O. Box 324
Toledo, OH 43697

Emergency
Toledo Paint & Chemical Company, (419)244-3726
Fax Number: (419)244-4561
Poison Control Center (800) 854-6813

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Flam. Liq. 3;H226	Flammable liquid and vapor.
Skin Irrit. 2;H315	Causes skin irritation.
Eye Irrit. 2;H319	Causes serious eye irritation.

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labeled as follows.



Warning

H226 Flammable liquid and vapor.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

H335 May cause respiratory irritation.
 P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
 P260 Do not breathe mist / vapors / spray.
 P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves / eye protection / face protection.
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P302+352 IF ON SKIN: Wash with soap and water.
 P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
 P331 Do NOT induce vomiting.
 P337+313 If eye irritation persists: Get medical advice / attention.
 P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P362 Take off contaminated clothing and wash before reuse.
 P370 In case of fire: Use water spray, fog, or regular foam..
 P403+233 Store in a well ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating Health: 2* Flammability: 3 Reactivity: 1

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	CAS Number	Weight %	GHS Classification	Notes
Aluminum Flake	7429-90-5	20-25	Water React 2; H261 Pyr. Sol 1; H250	[1] [2]
Xylenes (o-, m-, p-isomers)	1330-20-7	28-33	Flam Liq 3, H226 Acute Tox, 4; H332 Acute Tox, 4; H312 Skin Irrit, 2; H315 Eye Irrit, 2; H319 STOT SE, 3; H335 Asp Tox, 1; H304	[1] [2]
Mineral Spirits (Stoddard Solvent)	8052-41-3	8-10	Asp Tox, 1; H304	[1] [2]
Medium Aliphatic Solvent Naphtha (Mineral Spirits)	64742-88-7	10-12	Asp Tox, 1; H304	[1] [2]
VM&P Naphtha (Rule 66)	64742-89-8	7-8	Flam Liq 3, H226 Asp Tox, 1; H304	[1] [2]

- [1] Substance classified with a health or environmental hazard.
- [2] Substance with a workplace exposure limit.
- [3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Overview	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
Inhalation	Harmful if inhaled. May cause allergic respiratory reaction. May cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath and dry cough. May cause asthma-like symptoms to occur. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes	Causes severe eye irritation. Avoid contact with eyes.
Skin	Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.

Chronic effects Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

5. Fire-fighting measures

5.1. Extinguishing media

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient.

CAUTION: For mixtures containing alcohol or polar solvent, alcohol-resistant foam may be more effective.

SMALL FIRES: Use dry chemical, CO₂, water spray or regular foam. LARGE FIRES: Use water spray, fog, or regular foam. Do not use straight streams. Move containers from fire area if you can do so without risk.

5.2. Special hazards arising from the substance or mixture **HIGHLY FLAMMABLE MATERIALS:** Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up

Call for emergency response. Isolate spill or leak area immediately for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay pwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

7. Handling and storage

7.1. Precautions for safe handling

Handling

Vapors may cause flash fire or ignite explosively

In Storage

Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities

Store between 40-100F (4-38C).

Avoid contact with eyes, skin and clothing.

Strong oxidizing agents.

Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)

Close container after each use.

Wash thoroughly after handling.

Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS NO.	Ingredient	Source	Value
7429-90-5	Aluminum Flake	OSHA	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
		ACGIH	1 mg/m3 TWA (respirable dust)
		NIOSH	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
1330-20-7	Xylenes (o-, m-, p- isomers)	OSHA	100 ppm TWA; 435 mg/m3 TWA; 150 ppm STEL; 655 mg/m3 STEL
		ACGIH	100 ppm STEL
		NIOSH	350 mg/m3 TWA 1800 mg/m3 Ceiling (15 min)
8052-41-3	Mineral Spirits (Stoddard Solvent)	OSHA	500 ppm TWA; 2900 mg/m3 TWA
		ACGIH	100 ppm TWA
		NIOSH	350 mg/m3 TWA 1800 mg/m3 Ceiling (15 min)
64742-88-7	Medium Aliphatic Solvent Naphtha (Mineral Spirits)	OSHA	500 ppm TWA; 2900 mg/m3 TWA
		ACGIH	100 ppm TWA
		NIOSH	350 mg/m3 TWA 1800 mg/m3 Ceiling (15 min)
64742-89-8	VM&P Naphtha (Rule 66)	OSHA	300 ppm TWA
		ACGIH	300 ppm TWA

Health Data

CAS No.	Ingredient	Source	Value
7429-90-5	Aluminum Flake	NIOSH	Lung changes that may lead to pulmonary fibrosis; respiratory and skin irritation
1330-20-7	Xylenes (o-, m-, p-isomers)	NIOSH	Central nervous system depressant; respiratory and eye irritation

8052-41-3	Mineral Spirits (Stoddard Solvent)	NIOSH	Eye nose
64742-88-7	Medium Aliphatic Solvent Naphtha (Mineral Spirits)	NIOSH	Eye nose
64742-89-8	VM&P Naphtha (Rule 66)	NIOSH	Eye nose

Carcinogen Data

CAS No.	Ingredient	Source	Value
7429-90-5	Aluminum Flake	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: NO; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No
1330-20-7	Xylenes (o-, m-, p-isomers)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: NO; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No
8052-41-3	Mineral Spirits (Stoddard Solvent)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: NO; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No
64742-88-7	Medium Aliphatic Solvent Naphtha (Mineral Spirits)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: NO; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No
64742-89-8	VM&P Naphtha (Rule 66)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: NO; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No

8.2. Exposure controls

Respiratory

Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. **FOR USERS OF 3M RESPIRATORY PROTECTION ONLY:** For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.

Eyes Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

Skin Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use. Engineering Controls Depending on the site-specific conditions of use, provide adequate ventilation. Other Work Practices Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

9. Physical and chemical properties

Appearance Silver Liquid

Odor threshold Not Measured

pH No Established Limit

Melting point / freezing point Not Measured

Initial boiling point and boiling range 250 to 315 °F

Flash Point 80 °F

Evaporation rate (Ether = 1) Not Measured

Flammability (solid, gas) Not Applicable

Upper/lower flammability or explosive

limits Lower Explosive Limit: .8%

Upper Explosive Limit: 14.4%

vapor pressure (Pa) Not Measured

Vapor Density Heavier than air

Specific Gravity 1.0

Partition coefficient n-octanol/water (Log

Kow)

Not Measured

Auto-ignition temperature

Not Measured

Decomposition temperature

Not Measured

Viscosity (cSt) No Established Limit

Not Measured

VOC % Refer to the Technical Data Sheet where information is available.

10. Stability and reactivity

10.1. Reactivity: can react with water causing gassing

10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Excessive heat and cold

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

HIGHLY FLAMMABLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water.

11. Toxicological information

Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Ingredient	Oral LD50, Mg/kg	Skin LD50 Mg/kg	Inhalation Vapor LD50, Mg/L/4hr	Inhalation Dust/Mist LD50 Mg/l/4hr
Aluminum Flake (7429-90-5)	No data Available	No data Available	No data Available	No data available
Xylenes (o-, m-, p- isomers) (1330-20-7)	4,299, Rat Category:5	1,548, Rabbit Category 4	20, Rat Category 4	
Stoddard Solvent (8052-41-30)	No data available	No data Available	No data Available	No data available
Medium Aliphatic Solvent Naphtha (64742-88-7)	No data Available	No data Available	No data Available	No data available
VM&P Naphtha (64742-89-8)	No data Available	No data Available	No data available	No data available

Item	Category	Hazard
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation
Eye damage/irritation	2	Causes serious eye irritation
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic Toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea mg/l	ErC50 algae mg/l
Aluminum Flake (7429-90-5)	Not Available	Not Available	Not Available
Xylenes (o-, m-, p- isomers) (1330-20-7)	3.30 Oncorhynchus mykiss	8.50 Palaemonetes pugio	100.00 (72 hr) Chlorococcales
Stoddard Solvent (8052-41-30)	Not Available	Not Available	Not Available
Medium Aliphatic Solvent Naphtha (64742-88-7)	Not Available	Not Available	Not Available
VM&P Naphtha (64742-89-8)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Do not allow spills to enter drains or watercourses. Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

- | | |
|-------------------------------------------------------------------------------|---------------------------|
| 14.1. UN number | UN 1263 |
| 14.2. UN proper shipping name | PAINT |
| 14.3. Transport hazard class(es) | 3 |
| DOT Proper Shipping Name | PAINT |
| DOT Hazard Class | 3 |
| 14.4. Packing group | III |
| 14.5. Environmental hazards | IMDG Marine Pollutant: No |
| 14.6. Special precautions for user | Not Applicable |
| 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not Applicable |

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification B2 D2B

DOT Marine Pollutants (10%):
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):
(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%) :

Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>.1%) :

(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :

Aluminum

Xyenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :

Aluminum

Stoddard solvent

Xylenes (o-, m-, p- isomers)

Penn RTK Substances (>1%) :

Aluminum

Stoddard solvent

Xylenes (o-, m-, p- isomers)

RCRA Status:

(No Product Ingredients Listed)

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H250 Catches fire spontaneously if exposed to air.

H261 In contact with water releases flammable gas.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H370 Causes damage to organs.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

The following sections have changed since the previous revision.

SECTION 2: Hazards identification

SECTION 4: First aid measures

SECTION 9: Physical and chemical properties

SECTION 11: Toxicological information

SECTION 12: Ecological information