

1. Product and company identification

Trade name : Spray paint (2101)

Code : 9437296

Material uses : Coatings: Paint.

Supplier : Volvo Cars of North America, LLC
7 Volvo Drive
Rockleigh, NJ 07647

Telephone no. : (201) 768-7300

In case of emergency**1-800-467-8583**

NOTE: Use the 24-Hour Emergency Telephone Numbers only in the event of a chemical emergency involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to Volvo Cars of North America, LLC at (201) 768-7300 (U.S.) or (416) 493-3700 (Canada) for assistance.

2. Hazards identification

Physical state : Liquid.

Odor : Characteristic.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview : WARNING - CONTENTS UNDER PRESSURE
Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120 F. Keep out of the reach of children.

FLAMMABLE GAS. MAY CAUSE FLASH FIRE. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE EYE IRRITATION. CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: BLOOD, KIDNEYS, LIVER, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS SYSTEM, EYES

Keep out of the reach of children. Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of entry : Eye contact. Skin contact. Inhalation.

Potential acute health effects

Inhalation : Vapors may cause drowsiness and dizziness.

Skin : May be harmful if absorbed through skin.

Eyes : Slightly irritating to the eyes.

Ingestion : Ingestion may cause gastrointestinal irritation and diarrhea.

Potential chronic health effects

Chronic effects : Contains material that may cause target organ damage, based on animal data.

Medical conditions aggravated by over-exposure : Pre-existing skin and digestive disorders may be aggravated by over-exposure to this product.

Over-exposure signs/symptoms : headache, dizziness/vertigo. Inflammation of the eye is characterized by redness, watering and itching.

Environmental effects : Ecotoxicological data on the substances included in this product show that the product is not classified as harmful to the environment.

See toxicological information (section 11)

3 . Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Acetone	67-64-1	30 - 60
Butane	106-97-8	10 - 20
Propane	74-98-6	10 - 20
N-BUTYL ACETATE	123-86-4	5 - 10
PYROXYLIN, PLASTIC SCRAP	9004-70-0	1-5
Xylene	1330-20-7	1 - 5
2-methoxy-1-methylethyl acetate	108-65-6	1 - 5
Butan-1-ol	71-36-3	1 - 5

4 . First aid measures

Inhalation	: If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin contact	: Wash with soap and water. Get medical attention if symptoms occur.
Ingestion	: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5 . Fire-fighting measures

Flammability of the product	: Flammable
<u>Extinguishing media</u>	
Suitable	: Recommended: alcohol-resistant foam CO ₂ powders . Cool closed containers exposed to fire with water.
Not suitable	: Do not use water jet.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

Personal precautions	: Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Spill	: Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

7 . Handling and storage

Handling	: Do not breathe vapor or mist.
Storage	: Keep container tightly closed. Do not store in unlabeled containers. Keep container in a cool, well-ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

8 . Exposure controls/personal protection

<u>Product name</u>	<u>Exposure limits</u>
Acetone	ACGIH TLV (United States, 1/2008). TWA: 500 ppm 8 hour(s). TWA: 1188 mg/m ³ 8 hour(s). STEL: 750 ppm 15 minute(s). STEL: 1782 mg/m ³ 15 minute(s). OSHA PEL 1989 (United States, 3/1989). TWA: 750 ppm 8 hour(s). TWA: 1800 mg/m ³ 8 hour(s).

8 . Exposure controls/personal protection

	<p>STEL: 1000 ppm 15 minute(s). STEL: 2400 mg/m³ 15 minute(s). NIOSH REL (United States, 6/2008). TWA: 250 ppm 10 hour(s). TWA: 590 mg/m³ 10 hour(s). OSHA PEL (United States, 11/2006). TWA: 1000 ppm 8 hour(s). TWA: 2400 mg/m³ 8 hour(s).</p>
Butane	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 800 ppm 8 hour(s). TWA: 1900 mg/m³ 8 hour(s). NIOSH REL (United States, 6/2008). TWA: 800 ppm 10 hour(s). TWA: 1900 mg/m³ 10 hour(s). ACGIH TLV (United States, 1/2008). TWA: 1000 ppm 8 hour(s).</p>
Propane	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 1800 mg/m³ 8 hour(s). TWA: 1000 ppm 8 hour(s). NIOSH REL (United States, 6/2008). TWA: 1000 ppm 10 hour(s). TWA: 1800 mg/m³ 10 hour(s). OSHA PEL (United States, 11/2006). TWA: 1000 ppm 8 hour(s). TWA: 1800 mg/m³ 8 hour(s). ACGIH TLV (United States, 1/2008). TWA: 1000 ppm 8 hour(s).</p>
N-BUTYL ACETATE	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 150 ppm 8 hour(s). TWA: 710 mg/m³ 8 hour(s). STEL: 200 ppm 15 minute(s). STEL: 950 mg/m³ 15 minute(s). NIOSH REL (United States, 6/2008). TWA: 150 ppm 10 hour(s). TWA: 710 mg/m³ 10 hour(s). STEL: 200 ppm 15 minute(s). STEL: 950 mg/m³ 15 minute(s). ACGIH TLV (United States, 1/2008). TWA: 150 ppm 8 hour(s). STEL: 200 ppm 15 minute(s). OSHA PEL (United States, 11/2006). TWA: 150 ppm 8 hour(s). TWA: 710 mg/m³ 8 hour(s).</p>
Xylene	<p>ACGIH TLV (United States, 1/2008). TWA: 100 ppm 8 hour(s). TWA: 434 mg/m³ 8 hour(s). STEL: 150 ppm 15 minute(s). STEL: 651 mg/m³ 15 minute(s). OSHA PEL 1989 (United States, 3/1989). TWA: 100 ppm 8 hour(s). TWA: 435 mg/m³ 8 hour(s). STEL: 150 ppm 15 minute(s). STEL: 655 mg/m³ 15 minute(s). OSHA PEL (United States, 11/2006). TWA: 100 ppm 8 hour(s). TWA: 435 mg/m³ 8 hour(s).</p>
2-methoxy-1-methylethyl acetate	<p>AIHA WEEL (United States, 1/2008). TWA: 50 ppm 8 hour(s).</p>
Butan-1-ol	<p>ACGIH TLV (United States, 1/2008). TWA: 20 ppm 8 hour(s). OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. CEIL: 50 ppm CEIL: 150 mg/m³ NIOSH REL (United States, 6/2008). Absorbed through skin. CEIL: 50 ppm</p>

8 . Exposure controls/personal protection

CEIL: 150 mg/m³
 OSHA PEL (United States, 11/2006).
 TWA: 100 ppm 8 hour(s).
 TWA: 300 mg/m³ 8 hour(s).

Engineering measures : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Personal protection

Eyes : Use safety eyewear designed to protect against splash of liquids.
Skin : Protective clothing
Respiratory : Wear appropriate respirator when ventilation is inadequate.
Hands : Chemical-resistant gloves.
Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

9 . Physical and chemical properties

Physical state : Liquid.
Odor : Characteristic.
Flammable limits : Lower: 1.5% Upper: 13%
Vapor pressure : 360 kPa (2700 mm Hg)
Solubility : Insoluble in the following materials: cold water and hot water.

10 . Stability and reactivity

Stability : Stable under recommended storage and handling conditions (see section 7).
Conditions to avoid : No specific data.
Materials to avoid : Reactive or incompatible with the following materials: oxidizing materials, acids, alkalis
Hazardous decomposition products : Decomposition products may include the following materials:
 carbon oxides
 nitrogen oxides

11 . Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Xylene	LD50 Dermal	Rabbit	>1700 mg/kg	-
N-BUTYL ACETATE	LC50 Inhalation Gas.	Rat	390 ppm	4 hours
Butan-1-ol	LD50 Oral	Rat	790 mg/kg	-

Carcinogenicity

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Acetone	A4	-	-	None.	-	-
Butane	-	-	-	None.	-	-
Propane	-	-	-	None.	-	-
N-BUTYL ACETATE	A4	-	-	None.	-	-
Xylene	A4	3	-	None.	-	-
2-methoxy-1-methylethyl acetate	-	-	-	None.	-	-
Butan-1-ol	-	-	-	None.	-	-

Target organs : Contains material which may cause damage to the following organs: blood, kidneys, the nervous system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), eyes.

Other toxic effects on humans : Irritating to eyes. Defatting to the skin. Vapors may cause drowsiness and dizziness.

Spray paint (2101)

12 . Ecological information

Environmental effects : Ecotoxicological data on the substances included in this product show that the product is not classified as harmful to the environment.





13 . Disposal considerations

Waste disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Dispose of this material and its container at hazardous or special waste collection point.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	1950	Aerosols	2.1	-		-
TDG Classification	1950	Aerosols	2.1	-		-
IMDG Class	1950	Aerosols	2.1	-		<u>Emergency schedules (EmS)</u> F-D, S-U
IATA-DGR Class	1950	Aerosols, Flammable.	2.1	-		-

PG* : Packing group

15 . Regulatory information

HCS Classification : Flammable aerosol
Irritant
Toxic
Target organ effects

U.S. Federal regulations : This product is in compliance with TSCA.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Present
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Applicable.
SARA 313 toxic chemical notification and release reporting: Applicable.

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: Present

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations : Pennsylvania RTK Hazardous Substances: Applicable.
Massachusetts Substances: Applicable.
New Jersey: Applicable.

California Prop. 65

16 . Other information

Emergency overview (label) : WARNING - CONTENTS UNDER PRESSURE
 Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120 F. Keep out of the reach of children.

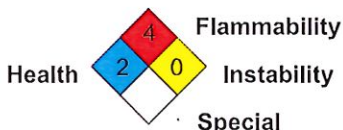
FLAMMABLE GAS. MAY CAUSE FLASH FIRE. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE EYE IRRITATION. CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: BLOOD, KIDNEYS, LIVER, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS SYSTEM, EYES

Keep out of the reach of children. Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

Hazardous Material Information System (U.S.A.) :

National Fire Protection Association (U.S.A.) :

Health	2
Flammability	4
Physical hazards	0



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

Date of issue : 2009-04-30.

Date of previous issue : No previous validation.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.