## **SAFETY DATA SHEET**



KV55001U01

### **Section 1. Identification**

GHS product identifier : ZAP 4G CASE

Product type : Liquid.

**SDS** # : 6qes:41gk:8j8

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

**Identified uses** 

Roller and blanket wash for lithographic printing

**Uses advised against** 

Not applicable.

Reason

Supplier's details : Varn International, Inc., a Flint Group Business

1333 N. Kirk Road Batavia, IL 62510 United States

Emergency telephone number (with hours of operation) : For Health and Safety Questions during business hours call 1-800-336-8276 24 Hour Emergency Spill Contact call 1-800-424-9300 Chemtrec (US/Canada)

#### Section 2. Hazards identification

**OSHA/HCS** status

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

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

**CARCINOGENICITY - Category 2** 

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

ASPIRATION HAZARD - Category 1

**GHS label elements** 

Hazard pictograms :







Signal word : Danger

**Hazard statements** : Highly flammable liquid and vapor.

Causes serious eye irritation. Suspected of causing cancer.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

**Precautionary statements** 

Date of issue/Date of revision : 6/1/2018 Date of previous issue : 6/1/2018 Version : 1.05 1/12

### Section 2. Hazards identification

#### **Prevention**

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash hands thoroughly after handling.

#### Response

: IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

## Storage Disposal

- : Store locked up. Store in a well-ventilated place. Keep cool.
- : Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Hazards not otherwise classified

: None known.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
Distillates (petroleum), light distillate hydrotreating process, low-boiling	30 - 60	68410-97-9
acetone	10 - 30	67-64-1
ethanol	10 - 30	64-17-5
propan-2-ol	1 - 5	67-63-0
methanol	.1 - 1	67-56-1
4-methylpentan-2-one	.1 - 1	108-10-1

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

#### Section 4. First aid measures

#### **Description of necessary first aid measures**

#### **Eye contact**

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

#### Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### **Skin contact**

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Date of issue/Date of revision: 6/1/2018Date of previous issue: 6/1/2018Version: 1.052/12

### Section 4. First aid measures

#### Ingestion

: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact**: Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness.

**Skin contact**: No known significant effects or critical hazards.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and

enters airways.

#### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:

pain or irritation watering redness

**Inhalation** : Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

Skin contact : No specific data.

**Ingestion**: Adverse symptoms may include the following:

nausea or vomiting

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments**: No specific treatment.

**Protection of first-aiders**: No action shall be taken involving any personal risk or without suitable training. If it is

suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to

give mouth-to-mouth resuscitation.

#### See toxicological information (Section 11)

Date of issue/Date of revision : 6/1/2018 Date of previous issue : 6/1/2018 Version : 1.05 3/12

## Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

Unsuitable extinguishing media

: Do not use water jet.

Specific hazards arising from the chemical

: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products

: Decomposition products may include the following materials: carbon dioxide carbon monoxide

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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.

#### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**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).

#### Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Date of issue/Date of revision : 6/1/2018 Date of previous issue : 6/1/2018 Version : 1.05 4/12

## Section 7. Handling and storage

#### **Precautions for safe handling**

#### **Protective measures**

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not swallow. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

: 6/1/2018

Version : 1.05

5/12

## Section 8. Exposure controls/personal protection

: 6/1/2018

#### **Control parameters**

Date of issue/Date of revision

**Occupational exposure limits** 

gredient name Exposure limits		
acetone	ACGIH TLV (United States, 3/2016).  STEL: 500 ppm 15 minutes.  TWA: 250 ppm 8 hours.  NIOSH REL (United States, 10/2013).  TWA: 590 mg/m³ 10 hours.  TWA: 250 ppm 10 hours.  OSHA PEL (United States, 6/2016).  TWA: 2400 mg/m³ 8 hours.  TWA: 1000 ppm 8 hours.  OSHA PEL 1989 (United States, 3/1989).  STEL: 2400 mg/m³ 15 minutes.  STEL: 1000 ppm 15 minutes.  TWA: 1800 mg/m³ 8 hours.  TWA: 750 ppm 8 hours.	
ethanol	ACGIH TLV (United States, 3/2016).  STEL: 1000 ppm 15 minutes.  NIOSH REL (United States, 10/2013).  TWA: 1900 mg/m³ 10 hours.  TWA: 1000 ppm 10 hours.  OSHA PEL (United States, 6/2016).  TWA: 1900 mg/m³ 8 hours.  TWA: 1000 ppm 8 hours.  OSHA PEL 1989 (United States, 3/1989).  TWA: 1900 mg/m³ 8 hours.	

Date of previous issue

### Section 8. Exposure controls/personal protection

propan-2-ol

methanol

4-methylpentan-2-one

TWA: 1000 ppm 8 hours.

#### ACGIH TLV (United States, 3/2016).

STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours.

#### NIOSH REL (United States, 10/2013).

STEL: 1225 mg/m³ 15 minutes. STEL: 500 ppm 15 minutes. TWA: 980 mg/m³ 10 hours. TWA: 400 ppm 10 hours.

#### OSHA PEL (United States, 6/2016).

TWA: 980 mg/m<sup>3</sup> 8 hours. TWA: 400 ppm 8 hours.

#### OSHA PEL 1989 (United States, 3/1989).

STEL: 1225 mg/m³ 15 minutes. STEL: 500 ppm 15 minutes. TWA: 980 mg/m³ 8 hours. TWA: 400 ppm 8 hours.

#### ACGIH TLV (United States, 3/2016).

Absorbed through skin.

STEL: 328 mg/m³ 15 minutes. STEL: 250 ppm 15 minutes. TWA: 262 mg/m³ 8 hours. TWA: 200 ppm 8 hours.

#### NIOSH REL (United States, 10/2013).

#### Absorbed through skin.

STEL: 325 mg/m³ 15 minutes. STEL: 250 ppm 15 minutes. TWA: 260 mg/m³ 10 hours. TWA: 200 ppm 10 hours.

#### OSHA PEL (United States, 6/2016).

TWA: 260 mg/m<sup>3</sup> 8 hours. TWA: 200 ppm 8 hours.

#### OSHA PEL 1989 (United States, 3/1989).

#### Absorbed through skin.

STEL: 325 mg/m³ 15 minutes. STEL: 250 ppm 15 minutes. TWA: 260 mg/m³ 8 hours. TWA: 200 ppm 8 hours.

#### ACGIH TLV (United States, 3/2016).

STEL: 75 ppm 15 minutes. TWA: 20 ppm 8 hours.

#### NIOSH REL (United States, 10/2013).

STEL: 300 mg/m³ 15 minutes. STEL: 75 ppm 15 minutes. TWA: 205 mg/m³ 10 hours. TWA: 50 ppm 10 hours.

#### OSHA PEL (United States, 6/2016).

TWA: 410 mg/m³ 8 hours. TWA: 100 ppm 8 hours.

#### OSHA PEL 1989 (United States, 3/1989).

STEL: 300 mg/m³ 15 minutes. STEL: 75 ppm 15 minutes. TWA: 205 mg/m³ 8 hours. TWA: 50 ppm 8 hours.

Date of issue/Date of revision : 6/1/2018 Date of previous issue : 6/1/2018 Version : 1.05 6/12

## Section 8. Exposure controls/personal protection

## Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### **Individual protection measures**

#### **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.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### **Skin protection**

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

#### **Body protection**

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

#### Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### **Respiratory protection**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

#### **Appearance**

Physical state : Liquid.

Color : Colorless.

Odor : Hydrocarbon.

Odor threshold : Not available.

pH : Not available.

Melt point/Freeze point : Not available.

Boiling point : Not available.

Flash point : Between -18°C (0°F) and 23°C (73°F).

Evaporation rate : Not available.
Flammability (solid, gas) : Not available.
Lower and upper explosive : Not available.

(flammable) limits

Vapor pressure

: 2.7 kPa (20 mm Hg) [room temperature]

Date of issue/Date of revision : 6/1/2018 Date of previous issue : 6/1/2018 Version : 1.05 7/12

## Section 9. Physical and chemical properties

Vapor density: Not available.Relative density: Not available.Solubility: Not available.Partition coefficient: n-: Not available.

octanol/water

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): <0.2 cm²/s (<20 cSt)

Density : 6.297 lbs/gal

**VOC data** 

VOC % by weight : 75
VOC % by volume : 76.36
VOC lbs/gallon : 4.73
VOC lbs/gal less water : 4.73

## Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** 

: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible materials

: Reactive or incompatible with the following materials: oxidizing materials

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), light distillate hydrotreating process, low-boiling	LD50 Oral	Rat	5.17 g/kg	-
acetone	LD50 Oral	Rat	5800 mg/kg	-
ethanol	LC50 Inhalation Vapor	Rat	124700 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	7 g/kg	-
propan-2-ol	LD50 Dermal	Rabbit	12800 mg/kg	_
	LD50 Oral	Rat	5045 mg/kg	_
methanol	LC50 Inhalation Gas.	Rat	145000 ppm	1 hours
	LC50 Inhalation Gas.	Rat	64000 ppm	4 hours
	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-
4-methylpentan-2-one	LD50 Oral	Rat	2080 mg/kg	-

## Section 11. Toxicological information

#### **Carcinogenicity**

#### **Classification**

Product/ingredient name	OSHA	IARC	NTP
ethanol	-	1	-
propan-2-ol	-	3	-
4-methylpentan-2-one	-	2B	-

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
acetone propan-2-ol methanol 4-methylpentan-2-one	Category 3 Category 3 Category 1 Category 3	Not applicable. Not applicable. All Not applicable.	Narcotic effects Narcotic effects Not determined Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Name	Result
Distillates (petroleum), light distillate hydrotreating process, low-boiling	ASPIRATION HAZARD - Category 1

Information on the likely

routes of exposure

: Not available.

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness.

**Skin contact**: No known significant effects or critical hazards.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and

enters airways.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:

pain or irritation watering redness

**Inhalation** : Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

**Skin contact** : No specific data.

**Ingestion** : Adverse symptoms may include the following:

nausea or vomiting

## <u>Delayed and immediate effects and also chronic effects from short and long term exposure</u> <u>Short term exposure</u>

Date of issue/Date of revision : 6/1/2018 Date of previous issue : 6/1/2018 Version : 1.05 9/12

## **Section 11. Toxicological information**

Potential immediate

effects

: Not available.

Potential delayed effects

: Not available.

Long term exposure

**Potential immediate** 

: Not available.

effects

**Potential delayed effects** : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

: Suspected of causing cancer. Risk of cancer depends on duration and level of Carcinogenicity

exposure.

Mutagenicity No known significant effects or critical hazards. **Teratogenicity** : No known significant effects or critical hazards. **Developmental effects** : No known significant effects or critical hazards. **Fertility effects** : No known significant effects or critical hazards.

## Section 12. Ecological information

#### **Toxicity**

Not available.

Persistence and degradability

Not available.

**Bioaccumulative potential** 

Not available.

**Mobility in soil** 

Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Date of issue/Date of revision : 6/1/2018 Date of previous issue : 6/1/2018 Version : 1.05 10/12

## **Section 14. Transport information**

	DOT Classification	TDG Classification	IMDG	IATA
UN number	UN1210	UN1210	UN1210	UN1210
UN proper shipping name	Printing ink related material	PRINTING INK RELATED MATERIAL	PRINTING INK RELATED MATERIAL	Printing ink related material
Transport hazard class(es)	3	3	3	3
Packing group	II	II	II	II
Environmental hazards	No.	No.	No.	No.
Additional information	Reportable quantity 20000 lbs / 9080 kg [3177.1 gal / 12026.5 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.  Limited quantity Yes.  Packaging instruction Passenger aircraft Quantity limitation: 5 L  Cargo aircraft Quantity limitation: 60 L  Special provisions 149, IB2, T4, TP1, TP8	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).  Explosive Limit and Limited Quantity Index 5  Passenger Carrying Road or Rail Index 5  Special provisions 59	Emergency schedules (EmS) F-E, S-D Special provisions 163	Passenger and Cargo Aircraft Quantity limitation: 5 L Packaging instructions: 353 Cargo Aircraft Only Quantity limitation: 60 L Packaging instructions: 364 Limited Quantities - Passenger Aircraft Quantity limitation: 1 L Packaging instructions: Y341 Special provisions A3, A72

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

U.S. Federal regulations **SARA 311/312** 

: United States inventory (TSCA 8b): All components are listed or exempted.

Classification

: Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

**SARA 313** 

Date of issue/Date of revision 11/12 : 6/1/2018 Date of previous issue : 6/1/2018 Version: 1.05

## **Section 15. Regulatory information**

	Product name	CAS number	%
Form R - Reporting requirements	methanol	67-56-1	1
Supplier notification	methanol	67-56-1	1

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

#### **State regulations**

#### California Prop. 65

This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### Section 16. Other information

#### **History**

Date of printing : 4/10/2019

Date of issue/Date of : 6/1/2018

revision

**Date of previous issue** : 6/1/2018 **Version** : 1.05

**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

**▼** Indicates information that has changed from previously issued version.

#### **Notice to reader**

Flint Group has prepared this Safety Data Sheet ("SDS") in compliance with 29 CFR 1910.1200, understands that its customers may use this SDS to comply with that section, and believes that the data set forth herein are accurate as of the date hereof; however, this SDS shall not constitute a warranty with respect thereto.