

SAFETY DATA SHEET

Revision Date 26-Oct-2016

Version 7

1. IDENTIFICATION

Product identifier

Product Name 2.1 VOC VICTORY CLEAR FA

Other means of identification

Product Code BCL-1001-4
UN/ID no. UN1263
SKU(s) BCL-1001-4, BCL-1001-6, BCL-1125-4, BCL-1125-6

Recommended use of the chemical and restrictions on use

Recommended Use No information available.
Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Vogel Automotive Coatings
1020 Albany Place SE
Orange City, IA 51041
Phone: 712-737-4993
Fax: 712-737-4997

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--|------------|
| Serious eye damage/eye irritation | Category 2 |
| Respiratory sensitization | Category 1 |
| Skin sensitization | Category 1 |
| Carcinogenicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable liquids | Category 2 |

Emergency Overview

Danger

Hazard statements

Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Suspected of causing cancer
May cause drowsiness or dizziness
Highly flammable liquid and vapor

| | | | |
|------------------------------|-----------|---------|---|
| Parachlorobenzotrifluoride | 98-56-6 | 10 - 30 | * |
| Methyl Isobutyl Ketone | 108-10-1 | 7 - 13 | * |
| p-Toluenesulfonyl Isocyanate | 4083-64-1 | 0.1 - 1 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

| | |
|--|--|
| General advice | Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician. |
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before reuse. |
| Inhalation | Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician. May cause allergic respiratory reaction. |
| Ingestion | Rinse mouth. If symptoms persist, call a physician. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. |
| Self-protection of the first aider | Remove all sources of ignition. Use personal protective equipment as required. |
| <u>Most important symptoms and effects, both acute and delayed</u> | |
| Symptoms | May cause allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| <u>Indication of any immediate medical attention and special treatment needed</u> | |
| Note to physicians | Treat symptomatically. Symptoms may be delayed. May cause sensitization by skin contact. May cause sensitization by inhalation and skin contact. |

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Extremely flammable.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials Strong acids. Strong oxidizing agents. Chlorinated compounds. Incompatible with oxidizing agents. Strong bases. Water. Alcohols. Amines. Copper.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------|-------------------------------|--|--|
| Acetone 67-64-1 | STEL: 500 ppm TWA: 250 ppm | TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm | IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³ |

| | | | |
|---------------------------------------|------------------------------|--|---|
| Parachlorobenzotrifluoride 98-56-6 | TWA: 2.5 mg/m ³ F | TWA: 2.5 mg/m ³ F TWA: 2.5 mg/m ³ dust (vacated) TWA: 2.5 mg/m ³ | - |
| Methyl Isobutyl Ketone 108-10-1 | STEL: 75 ppm TWA: 20 ppm | TWA: 100 ppm TWA: 410 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 205 mg/m ³ (vacated) STEL: 75 ppm (vacated) STEL: 300 mg/m ³ | IDLH: 500 ppm TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 300 mg/m ³ |

NIOSH IDLH *Immediately Dangerous to Life or Health*

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Tight sealing safety goggles. Face protection shield.
- Skin and body protection** Wear protective gloves and protective clothing.
- Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|-----------------------|--------------------------|
| Physical state | liquid | Odor | No information available |
| Appearance | No information available | Odor threshold | No information available |
| Color | No information available | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------|--------------------------|-------------------------|
| pH | No information available | |
| Melting point/freezing point | No information available | |
| Boiling point / boiling range | >= 56 °C / 133 °F | |
| Flash point | -17 °C / 1 °F | |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | No information available | |
| Lower flammability limit: | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific Gravity | 1.01 | |
| Water solubility | No information available | |
| Solubility in other solvents | No information available | |
| Partition coefficient | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | No information available | |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |

Other Information

| | |
|----------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | No information available |
| Density | 8.41 lbs/gal |
| Bulk density | No information available |
| Percent solids by weight | 39.2% |
| Percent volatile by weight | 12.4% |
| Percent solids by volume | 33.8% |
| Actual VOC (lbs/gal) | 1 |
| Actual VOC (grams/liter) | 125 |
| EPA VOC (lbs/gal) | 2.1 |
| EPA VOC (grams/liter) | 253.6 |
| EPA VOC (lb/gal solids) | 3.1 |

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Strong acids. Strong oxidizing agents. Chlorinated compounds. Incompatible with oxidizing agents. Strong bases. Water. Alcohols. Amines. Copper.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

| | |
|----------------------------|--|
| Product Information | No data available |
| Inhalation | May cause sensitization by inhalation. |
| Eye contact | May cause irritation. |
| Skin Contact | May cause irritation. May cause sensitization by skin contact. |
| Ingestion | No data available. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|-------------------------|---------------------------------------|
| Polymeric Isocyanate 28182-81-2 | - | - | = 18500 mg/m ³ (Rat) 1 h |
| Acetone 67-64-1 | = 5800 mg/kg (Rat) | - | = 50100 mg/m ³ (Rat) 8 h |
| Parachlorobenzotrifluoride 98-56-6 | = 13 g/kg (Rat) | > 2 mL/kg (Rabbit) | = 33 mg/L (Rat) 4 h |
| Methyl Isobutyl Ketone 108-10-1 | = 2080 mg/kg (Rat) | = 3000 mg/kg (Rabbit) | = 8.2 mg/L (Rat) 4 h |
| p-Toluenesulfonyl Isocyanate 4083-64-1 | = 2234 mg/kg (Rat) | - | > 640 ppm (Rat) 1 h |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause sensitization by inhalation and skin contact.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|------------------------------------|-------|----------|-----|------|
| Methyl Isobutyl Ketone 108-10-1 | A3 | Group 2B | - | X |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic toxicity Avoid repeated exposure. May cause adverse liver effects.

Target Organ Effects Central nervous system, Eyes, kidney, liver, Respiratory system, Skin.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic life with long lasting effects

39.39% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---------------------------------------|---|---|--|
| Acetone 67-64-1 | - | 4.74 - 6.33: 96 h Oncorhynchus mykiss mg/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50 | 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50 |
| Parachlorobenzotrifluoride 98-56-6 | - | 11.5 - 15.8: 48 h Lepomis macrochirus mg/L LC50 static | 3.68: 48 h Daphnia magna mg/L EC50 |
| Methyl Isobutyl Ketone 108-10-1 | 400: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through | 170: 48 h Daphnia magna mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|---------------------------------------|-----------------------|
| Acetone 67-64-1 | -0.24 |
| Parachlorobenzotrifluoride 98-56-6 | 3.7 |
| Methyl Isobutyl Ketone 108-10-1 | 1.19 |

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

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

Contaminated packaging Do not reuse container.

US EPA Waste Number D001 U002 U161

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|------------------------------------|------|-----------------------------------|------------------------|------------------------|
| Acetone 67-64-1 | - | Included in waste stream: F039 | - | U002 |
| Methyl Isobutyl Ketone 108-10-1 | - | Included in waste stream: F039 | - | U161 |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name | California Hazardous Waste Status |
|--------------------|-----------------------------------|
| Acetone 67-64-1 | Ignitable |

14. TRANSPORT INFORMATION

DOT

UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Special Provisions 149, B52, IB2, T4, TP1, TP8, TP28
Description UN1263, Paint related material, 3, II
Emergency Response Guide Number 128

TDG

UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Description UN1263, Paint related material, 3, II

MEX

UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Description UN1263, Paint related material, 3, II

ICAO (air)

UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Special Provisions A3, A72
Description UN1263, Paint related material, 3, II

IATA

UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3

| | |
|--------------------|---------------------------------------|
| Packing Group | II |
| ERG Code | 3L |
| Special Provisions | A3, A72 |
| Description | UN1263, Paint related material, 3, II |

IMDG

| | |
|----------------------|---------------------------------------|
| UN/ID no. | UN1263 |
| Proper shipping name | Paint related material |
| Hazard Class | 3 |
| Packing Group | II |
| EmS-No. | F-E, S-E |
| Special Provisions | 163 |
| Description | UN1263, Paint related material, 3, II |

RID

| | |
|----------------------|---------------------------------------|
| UN/ID no. | UN1263 |
| Proper shipping name | Paint Related Material |
| Hazard Class | 3 |
| Packing Group | II |
| Classification code | F1 |
| Description | UN1263, Paint related material, 3, II |

ADR

| | |
|-------------------------|--|
| UN/ID no. | UN1263 |
| Proper shipping name | Paint Related Material |
| Hazard Class | 3 |
| Packing Group | II |
| Classification code | F1 |
| Tunnel restriction code | (D/E) |
| Special Provisions | 163, 640C, 650 |
| Description | UN1263, Paint related material, 3, II, (D/E) |
| Labels | 3 |

ADN

| | |
|-----------------------|--|
| Proper shipping name | Paint Related Material |
| Hazard Class | 3 |
| Packing Group | II |
| Classification code | F1 |
| Special Provisions | 163, 640C, 650 |
| Description | UN1263, Paint related material , 3, II |
| Hazard label(s) | 3 |
| Limited quantity (LQ) | 5 L |
| Ventilation | VE01 |

| |
|-----------------------------------|
| 15. REGULATORY INFORMATION |
|-----------------------------------|

International Inventories

| | |
|---------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|------------------------|-------------------------------|
| Methyl Isobutyl Ketone | 1.0 |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | No |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|------------------------------------|--------------------------|----------------|--|
| Acetone 67-64-1 | 5000 lb | - | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Methyl Isobutyl Ketone 108-10-1 | 5000 lb | - | RQ 5000 lb final RQ RQ 2270 kg final RQ |

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical Name | California Proposition 65 |
|-----------------------------------|-----------------------------|
| Methyl Isobutyl Ketone - 108-10-1 | Carcinogen Developmental |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts |
|---------------------------------------|------------|---------------|
| Acetone 67-64-1 | X | X |
| Parachlorobenzotrifluoride 98-56-6 | X | - |
| Methyl Isobutyl Ketone 108-10-1 | X | X |

| Chemical Name | Pennsylvania |
|---------------------------------------|--------------|
| Acetone 67-64-1 | X |
| Parachlorobenzotrifluoride 98-56-6 | X |
| Methyl Isobutyl Ketone 108-10-1 | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Hazardous air pollutants (HAPS) content

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants':

| Chemical Name | Weight % of HAPS in Product | Pounds HAPS / Gal Product |
|---------------|-----------------------------|---------------------------|
|---------------|-----------------------------|---------------------------|

| | | |
|------------------------------------|--------|------|
| Methyl Isobutyl Ketone 108-10-1 | 12.13% | 1.02 |
|------------------------------------|--------|------|

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|-------------|--------------------|----------------|--------------------|------------------------------------|
| <u>NFPA</u> | Health hazards 2 | Flammability 3 | Instability 0 | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 2 * | Flammability 3 | Physical hazards 0 | Personal protection X |

Chronic Hazard Star Legend * = *Chronic Health Hazard*

Revision Date 26-Oct-2016

Revision Note
No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet