

# SAFETY DATA SHEET

Revision Date 28-Apr-2020 Version 4

## 1. IDENTIFICATION

Product identifier

Product Name Red ALK ACR ZN FD

Other means of identification

 Product Code
 TM55-44771

 UN/ID no
 UN1263

 SKU(s)
 None

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

**Manufacturer Address** 

Diamond Vogel 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
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Aspiration toxicity	Category 1
Flammable liquids	Category 2

## **Emergency Overview**

### Danger

#### Hazard statements

Causes serious eye irritation
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor



Appearance No information available

Physical state Liquid

Odor No information available

## **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

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

Keep container tightly closed

Ground/bond container and receiving equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Use explosion-proof electrical/ ventilating/ lighting/ equipment

### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

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 advice/attention

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

In case of fire: Use CO2, dry chemical, or foam for extinction

### **Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### Hazards not otherwise classified (HNOC)

#### Other Information

- Causes mild skin irritation
- · Toxic to aquatic life with long lasting effects
- · Toxic to aquatic life

Unknown acute toxicity

25.24% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	Trade Secret
Feldspar	68476-25-5	10 - 30	*
Talc (powder)	14807-96-6	10 - 30	*
Methyl Ethyl Ketone	78-93-3	10 - 30	*
Aliphatic Hydrocarbon	64742-49-0	3 - 7	*
Solvent Naphtha, Light Aliphatic	64742-89-8	1 - 5	*
Chlorinated paraffin waxes	63449-39-8	1 - 5	*

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Heptane	142-82-5	1 - 5	*
Crystalline Silica	14808-60-7	1 - 5	*
Titanium dioxide	13463-67-7	0.1 - 1	*
Methyl Ethyl Ketoxime	96-29-7	0.1 - 1	*

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

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

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

**Inhalation** Remove to fresh air.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

Indication of any immediate medical attention and special treatment needed

## 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.

**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**Use personal protective equipment as required. Remove all sources of ignition.

Environmental precautions

Environmental precautions 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**Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric

motors and static electricity).

**Incompatible materials**None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Talc (powder)	TWA: 2 mg/m³ particulate matter	(vacated) TWA: 2 mg/m³ respirable	IDLH: 1000 mg/m <sup>3</sup>
14807-96-6	containing no asbestos and <1%	dust <1% Crystalline silica,	TWA: 2 mg/m³ containing no
	crystalline silica, respirable	containing no Asbestos	Asbestos and <1% Quartz
	particulate matter	TWA: 20 mppcf if 1% Quartz or	respirable dust
		more;use Quartz limit	
Methyl Ethyl Ketone	STEL: 300 ppm	TWA: 200 ppm	IDLH: 3000 ppm
78-93-3	TWA: 200 ppm	TWA: 590 mg/m <sup>3</sup>	TWA: 200 ppm
		(vacated) TWA: 200 ppm	TWA: 590 mg/m <sup>3</sup>
		(vacated) TWA: 590 mg/m <sup>3</sup>	STEL: 300 ppm
		(vacated) STEL: 300 ppm	STEL: 885 mg/m <sup>3</sup>
		(vacated) STEL: 885 mg/m <sup>3</sup>	-
Heptane	STEL: 500 ppm	TWA: 500 ppm	IDLH: 750 ppm
142-82-5	TWA: 400 ppm	TWA: 2000 mg/m <sup>3</sup>	Ceiling: 440 ppm 15 min
		(vacated) TWA: 400 ppm	Ceiling: 1800 mg/m <sup>3</sup> 15 min
		(vacated) TWA: 1600 mg/m <sup>3</sup>	TWA: 85 ppm
		(vacated) STEL: 500 ppm	TWA: 350 mg/m <sup>3</sup>
		(vacated) STEL: 2000 mg/m <sup>3</sup>	_
Crystalline Silica	TWA: 0.025 mg/m³ respirable	TWA: 50 μg/m³ TWA: 50 μg/m³	IDLH: 50 mg/m <sup>3</sup> respirable dust
14808-60-7	particulate matter	excludes construction work,	TWA: 0.05 mg/m³ respirable dust
		agricultural operations, and	
		exposures that result from the	
		processing of sorptive clays	
		(vacated) TWA: 0.1 mg/m <sup>3</sup>	
		respirable dust	
		: (250)/(%SiO2 + 5) mppcf TWA	
		respirable fraction	
		: (10)/(%SiO2 + 2) mg/m³ TWA	
		respirable fraction	
Titanium dioxide	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m³ total dust	IDLH: 5000 mg/m <sup>3</sup>
13463-67-7		TWA: 5 mg/m³ respirable fraction	TWA: 2.4 mg/m <sup>3</sup> CIB 63 fine
			TWA: 0.3 mg/m <sup>3</sup> CIB 63 ultrafine,
			including engineered nanoscale

NIOSH 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** No special technical protective measures are necessary.

**Skin and body protection**No special technical protective measures are necessary.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

Remarks • Method

provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state Liquid

AppearanceNo information availableOdorNo information availableColorNo information availableOdor thresholdNo information available

<u>Property</u> <u>Values</u>

pH No information available
Melting point / freezing point
Boiling point / boiling range
Flash point
Evaporation rate
No information available
No information available
No information available
No information available

Flammability (solid, gas) No information available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor pressure
Vapor density

No information available
No information available
No information available
No information available

Specific Gravity 1.34

Water solubility No information available No information available Solubility in other solvents No information available **Partition coefficient 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

Liquid Density 11.15 lbs/gal

Bulk density No information available

Percent solids by weight 71.4% Percent volatile by weight 28.6% Percent solids by volume 49.6% Actual VOC (lbs/gal) 3.2 Actual VOC (grams/liter) 382.4 3.2 EPA VOC (lbs/qal) EPA VOC (grams/liter) 382.4 EPA VOC (lb/gal solids) 6.4

## 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**

Extremes of temperature and direct sunlight.

## **Incompatible materials**

None known based on information supplied.

#### **Hazardous decomposition products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

Product Information No data available

**Inhalation** No data available.

Eye contact No data available.

**Skin Contact** No data available.

**Ingestion** No data available.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Talc (powder) 14807-96-6	= 55,000 mg/kg (Rat)	-	-
Methyl Ethyl Ketone 78-93-3	= 2483 mg/kg (Rat) = 2737 mg/kg (Rat)	= 5000 mg/kg (Rabbit) = 6480 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Aliphatic Hydrocarbon 64742-49-0	> 5000 mg/kg (Rat)	> 3160 mg/kg ( Rabbit )	= 73680 ppm (Rat) 4 h
Solvent Naphtha, Light Aliphatic 64742-89-8	-	= 3000 mg/kg ( Rabbit )	-
Chlorinated paraffin waxes 63449-39-8	= 26100 mg/kg (Rat) > 21500 µL/kg (Rat)	> 10 mL/kg(Rabbit)	-
Heptane 142-82-5	-	= 3000 mg/kg ( Rabbit )	= 103 g/m³ (Rat) 4 h
Crystalline Silica 14808-60-7	> 22,500 mg/kg (Rat)	-	-
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Methyl Ethyl Ketoxime 96-29-7	= 930 mg/kg ( Rat )	1000 - 1800 mg/kg(Rabbit)	> 4.83 mg/L (Rat)4 h

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

**Symptoms** No information available.

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

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

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Chemical name	ACGIH	IARC	NTP	OSHA
Talc (powder)	-	Group 3	-	X
14807-96-6		•		
Chlorinated paraffin waxes	-	Group 2B	-	X
63449-39-8		•		
Crystalline Silica	A2	Group 1	Known	X

14808-60-7				
Titanium dioxide	-	Group 2B	-	X
13463-67-7		•		

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans Group 3 - Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Known - Known Carcinogen

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

X - Present

Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
No information available.
No information available.

Target organ effects Central nervous system, Central Vascular System (CVS), Eyes, Lungs, 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

32.6% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Talc (powder) 14807-96-6	-	100: 96 h Brachydanio rerio g/L LC50 semi-static	-
Methyl Ethyl Ketone 78-93-3	-	3130 - 3320: 96 h Pimephales promelas mg/L LC50 flow-through	5091: 48 h Daphnia magna mg/L EC50 520: 48 h Daphnia magna mg/L EC50 4025 - 6440: 48 h Daphnia magna mg/L EC50 Static
Aliphatic Hydrocarbon 64742-49-0	-	8.41: 96 h Oncorhynchus mykiss mg/L LC50 semi-static, closed	2.6: 96 h Chaetogammarus marinus mg/L LC50
Solvent Naphtha, Light Aliphatic 64742-89-8	4700: 72 h Pseudokirchneriella subcapitata mg/L EC50	-	-
Chlorinated paraffin waxes 63449-39-8	-	300: 96 h Lepomis macrochirus mg/L LC50 static 0.0109: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 94.5 - 271: 96 h Oncorhynchus mykiss mg/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 0.1: 96 h Lepomis macrochirus mg/L LC50 flow-through	102: 24 h Daphnia magna mg/L EC50
Heptane 142-82-5	-	375.0: 96 h Cichlid fish mg/L LC50	10: 24 h Daphnia magna mg/L EC50
Methyl Ethyl Ketoxime 96-29-7	83: 72 h Desmodesmus subspicatus mg/L EC50	760: 96 h Poecilia reticulata mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through	750: 48 h Daphnia magna mg/L EC50

### Persistence and degradability

No information available.

### **Bioaccumulation**

No information available.

Chemical name	Partition coefficient

Methyl Ethyl Ketone 78-93-3	0.3
Chlorinated paraffin waxes 63449-39-8	>6
Heptane 142-82-5	4.66
Methyl Ethyl Ketoxime 96-29-7	0.65

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 U055 U154 U159 U165 U220 U239

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl Ethyl Ketone	U159	Included in waste streams:	200.0 mg/L regulatory level	U159
78-93-3		F005, F039		

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
Methyl Ethyl Ketone	Toxic mixture of acetone, methyl acetate, and methyl alcohol
78-93-3	Ignitable mixture of acetone, methyl acetate, and methyl alcohol
Heptane	Toxic
142-82-5	Ignitable

## 14. TRANSPORT INFORMATION

DOT

UN/ID no UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Reportable Quantity (RQ) (Xylene: RQ (kg)= 45.40, Methyl Ethyl Ketone: RQ (kg)= 2270.00)

**Special Provisions** 149, B52, IB2, T4, TP1, TP8, TP28

**Description** UN1263, Paint, 3, II

Emergency Response Guide 128

Number

<u>TDG</u>

UN/ID no UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II
Special Provisions 59, 83

**Description** UN1263, Paint, 3, II

MEX

UN/ID no UN1263
Proper shipping name Paint
Hazard class 3
Special Provisions 163
Packing Group II

**Description** UN1263, Paint, 3, II

ICAO (air)

UN/ID no UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Special Provisions A3, A72

**Description** UN1263, Paint, 3, II

IATA

UN Number
Proper shipping name
Paint
Transport hazard class(es)
Packing Group
ERG Code
UN1263
Paint
Paint
3
L

Special Provisions A3, A72

**Description** UN1263, Paint, 3, II

IMDG

 UN Number
 UN1263

 Transport hazard class(es)
 3

 Packing Group
 II

 EmS-No
 F-E, S-E

 Special Provisions
 163

**Description** UN1263, Paint, 3, II, (-7°C c.c.)

RID

UN/ID no UN1263
Proper shipping name Paint
Transport hazard class(es) 3
Packing Group II
Classification code F1

**Special Provisions** 163, 640C, 650 **Description** UN1263, Paint, 3, II

Labels 3

ADR

UN Number UN1263
Proper shipping name Paint
Transport hazard class(es) 3
Packing Group II
Classification code F1
Tunnel restriction code (D/E)

**Special Provisions** 163, 640C, 650

**Description** UN1263, Paint, 3, II, (D/E)

Labels 3

<u>ADN</u>

Proper shipping name Paint
Transport hazard class(es) 3
Packing Group II
Classification code F1

Special Provisions 163, 640C, 650 Description UN1263, Paint, 3, II

Hazard label(s) 3
Limited quantity (LQ) 5 L
Ventilation VE01
Equipment Requirements PP, EX, A

## 15. REGULATORY INFORMATION

## **International Inventories**

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TSCA Complies DSL/NDSL Complies \*

## Legend:

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

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

### **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 %
Feldspar	1.0

## SARA 311/312 Hazard Categories

Acute health hazard	No
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)
Methyl Ethyl Ketone	5000 lb	-	RQ 5000 lb final RQ
78-93-3			RQ 2270 kg final RQ

## **US State Regulations**

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Crystalline Silica - 14808-60-7	Carcinogen
Titanium dioxide - 13463-67-7	Carcinogen
Methanol - 67-56-1	Developmental
Ethyl Benzene - 100-41-4	Carcinogen
Silica, Amorphous fumed - 7631-86-9	Carcinogen
o-Anisidine - 90-04-0	Carcinogen
Naphthalene - 91-20-3	Carcinogen
Lead - 7439-92-1	Carcinogen Developmental Female Reproductive Male Reproductive
Toluene - 108-88-3	Developmental
Cumene - 98-82-8	Carcinogen

## **U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts
Feldspar	X	-
68476-25-5		
Talc (powder)	X	X
14807-96-6		
Methyl Ethyl Ketone	X	X
78-93-3		
Heptane	X	X
142-82-5		
Crystalline Silica	X	X
14808-60-7		

<sup>\*</sup> This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

Xylene 1330-20-7	Х	Х
Methanol 67-56-1	X	Х

Chemical name	Pennsylvania
Feldspar	X
68476-25-5	
Talc (powder)	X
14807-96-6	
Methyl Ethyl Ketone	X
78-93-3	
Heptane	X
142-82-5	
Crystalline Silica	X
14808-60-7	

U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

#### Hazardous air pollutants (HAPS) content

This product contains no Hazardous Air Pollutants individually at 1% by weight, or greater.

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

NFPA Health hazards 2 Flammability 3 Instability 0 Physical and chemical

properties 
Health hazards 2 \* Flammability 3 Physical hazards 0 Personal protection X

Chronic Hazard Star Legend \*= Chronic Health Hazard

Revision Date 28-Apr-2020

**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**