

Material Safety Data Sheet

Material Name: ODP-1 and ODP-1A

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

AGS Company
2651 Hoyt Street
Muskegon Heights, MI 49444

Phone: 800-253-0403
Fax: 800-877-2858
Emergency # 800-255-3924 CHEM-TEL

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause eye and skin irritation.

Potential Health Effects: Eyes

May cause eye irritation.

Potential Health Effects: Skin

May cause skin irritation.

Potential Health Effects: Ingestion

May cause gastrointestinal irritation if swallowed.

Potential Health Effects: Inhalation

May cause respiratory tract irritation.

HMIS Ratings: Health: 1 Fire: 1 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
Trade Secret	Polyglycol Dimethacrylate	30-40
Trade Secret	Cellulose Ester	20-30
Trade Secret	Polymeric Plasticizer	20-30
Trade Secret	Inert lubricating fillers	10-20
Trade Secret	Silica, Amorphous Treated	1-5
13463-67-7	Titanium dioxide	1-3
81-07-2	Saccharin	0.5-3
80-15-9	Cumene hydroperoxide	0.5-3

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with water for at least 15 minutes, lifting both upper and lower eyelids occasionally. Get medical attention.

First Aid: Skin

Wash thoroughly with soap and water. If irritation develops, seek medical attention. Launder clothing before reuse.

First Aid: Ingestion

Do not induce vomiting. Get medical attention.

First Aid: Inhalation

Not considered likely. If overcome by exposure, remove person to fresh air. Give artificial respiration as needed and seek medical attention.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

None

Hazardous Combustion Products

None

Extinguishing Media

Water, foam, dry chemical or CO2

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Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Stop the flow of material, if this is without risk.

Clean-Up Procedures

Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with current local, state, and federal regulations.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid prolonged skin contact. Keep away from eyes.

Storage Procedures

Avoid storage over 100°F (38°C) to preserve shelf life. Avoid contamination with incompatible materials. Do not store in direct sunlight.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Titanium dioxide (13463-67-7)

ACGIH: 10 mg/m3 TWA

OSHA: 10 mg/m3 TWA (total dust)

Engineering Controls

Use general ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety goggles or safety glasses with side shields.

Personal Protective Equipment: Skin

Wear gloves and protective clothing if in direct contact with material. Disposable polyethylene gloves with vinyl latex overgloves will give protection.

Personal Protective Equipment: Respiratory

None needed.

Personal Protective Equipment: General

Eye wash fountain is recommended.

*** Section 9 - Physical & Chemical Properties ***

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Appearance:	White paste	Odor:	Mild
Physical State:	Paste	pH:	ND
Vapor Pressure:	<5mm @80°F (27°C)	Vapor Density:	>1
Boiling Point:	>300°F (>149°C)	Melting Point:	ND
Solubility (H2O):	Slight	Specific Gravity:	1.15
Evaporation Rate:	ND	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	>392°F (>200°C)
Flash Point Method:	PMCC	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	ND		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Avoid storage over 100°F (38°C) and contamination with incompatible materials.

Incompatibility

Metal salts, heat and amines.

Hazardous Decomposition

None

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Titanium dioxide (13463-67-7)

Oral LD50 Rat >10000 mg/kg

Saccharin (81-07-2)

Oral LD50 Mouse 17 g/kg

Cumene hydroperoxide (80-15-9)

Inhalation LC50 Rat 220 ppm 4 h; Oral LD50 Rat 382 mg/kg; Dermal LD50 Rat 500 mg/kg

Carcinogenicity

Component Carcinogenicity

Titanium dioxide (13463-67-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NIOSH: potential occupational carcinogen

IARC: Monograph 93 [2010]; Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

Saccharin (81-07-2)

IARC: Monograph 73 [1999] (overall evaluation downgraded from 2B to 3 with supporting evidence from other relevant data) (Group 3 (not classifiable))

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

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B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Saccharin (81-07-2)

Test & Species

96 Hr LC50 Pimephales promelas 18300 mg/L

Conditions

30 days old

Cumene hydroperoxide (80-15-9)

Test & Species

96 Hr LC50 Oncorhynchus mykiss 3.9 mg/L [static]
24 Hr EC50 Daphnia magna 7 mg/L

Conditions

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

Saccharin (81-07-2)

RCRA: waste number U202

Cumene hydroperoxide (80-15-9)

RCRA: waste number U096 (Reactive waste)

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Saccharin (81-07-2)

SARA 313: 1.0 % de minimis concentration (only persons who manufacture are subject, no supplier notification)

Cumene hydroperoxide (80-15-9)

SARA 313: 1.0 % de minimis concentration
CERCLA: 10 lb final RQ; 4.54 kg final RQ

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Titanium dioxide	13463-67-7	No	Yes	Yes	Yes	Yes	Yes
Saccharin	81-07-2	No	Yes	Yes	Yes	Yes	No
Cumene hydroperoxide	80-15-9	No	Yes	No	Yes	Yes	Yes

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Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Cumene hydroperoxide	80-15-9	1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Titanium dioxide	13463-67-7	Yes	DSL	EINECS
Saccharin	81-07-2	Yes	DSL	EINECS
Cumene hydroperoxide	80-15-9	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.