POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

OASIS RED

1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION
8155 Cobb Center Drive, Kennesaw, GA 30152

Telephone	:	1 (440) 930-1000 or 1 (866) POLYONE
Emergency telephone number	:	**CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**
Product name	:	OASIS RED
Product code	:	FO20031933
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight percent
Miscellaneous Irritant	0-13-5	30 - 60
Titanium dioxide	13463-67-7	0.1 - 1
Paraffin waxes and Hydrocarbon waxes	8002-74-2	1 - 5
Ethylene glycol	107-21-1	1 - 5
Distillates (petroleum), hydrotreated light	64742-47-8	5 - 10

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product has not been evaluated as a whole for health effects. Information provided on the health effects of this product is based on individual components. In addition, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: : Skin contact, Inhalation, Ingestion

Acute exposure

Inhalation	:	Inhalation of airborne droplets may cause irritation of the respiratory tract.
Ingestion	:	May be harmful if swallowed.
Eyes	:	May cause eye and skin irritation.
Skin	:	

Chronic exposure : Refer to Section 11 for Toxicological Information.

Medical Conditions Aggravated by Exposure: : None known.

4. FIRST AID MEASURES

Inhalation : Move to fresh air in case of accidental inhalation of vapors or fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.

Ingestion : Never give anything by mouth to an unconscious person. Seek medical attention if necessary. Do not induce vomiting without medical advice.

Eyes : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.

Skin : Wash off with soap and plenty of water. If skin irritation persists seek medical attention.

5. FIREFIGHTING MEASURES

Flash point : no data available

Flammable Limits
- Upper explosion limit : no data available
- Lower explosion limit : no data available

Auto-ignition temperature : no data available

Suitable extinguishing media : Carbon dioxide (CO2), Water, Foam, Dry chemical.

Special Fire Fighting Procedures : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Unusual Fire/Explosion Hazards : Burning dry latex produces dense black smoke with the possibility of toxic vapors. Residual latex material contained in empty drums may decompose when burned producing toxic or irritating fumes. Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure response personnel are properly protected (see section 8 for respiratory or other protection guidelines.) Use caution as floors may be slippery.

Environmental precautions	:	The product should not be allowed to enter drains, water courses or the soil.
Methods for cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling	:	Use only in area provided with appropriate exhaust ventilation. Prolonged heating may result in product degradation. Material may settle during storage. Careful mixing without introduction of air may be necessary before use.
Storage	:	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool place. Keep from freezing and temperature extremes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection	:	A respirator is normally not required for routine handling of product in areas of good general ventilation and adequate local exhaust at processing equipment during routine operation. Airborne contaminant levels should be maintained below the occupational exposure guidelines.
Eye/Face Protection	:	Safety glasses with side-shields Wear goggles or face shield during operations that present a splash potential.
Hand protection	:	Impervious gloves such as rubber or PVC
Skin and body protection	:	Long sleeved shirts and long pants are adequate for normal handling. Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, apron, gloves, and eye/face protection.
Additional Protective Measures	:	Safety shoes
General Hygiene Considerations	:	Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.
Engineering measures	:	Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Paraffin waxes and Hydrocarbon waxes	2 mg/m3	Time Weighted Average (TWA):	Fume.	ACGIH
	2 mg/m3	Recommended exposure limit (REL):	Fume.	NIOSH
	2 mg/m3	Time Weighted Average (TWA):	Fume.	OSHA Z1A
	2 mg/m3	Time Weighted Average (TWA):	Fume.	MX OEL
	6 mg/m3	Short Term Exposure Limit (STEL):	Fume.	MX OEL
Titanium dioxide	10 mg/m3	Time Weighted Average (TWA):		ACGIH
	15 mg/m3	PEL:	Total dust.	OSHA Z1
	10 mg/m3	Time Weighted Average (TWA):	Total dust.	OSHA Z1A
	10 mg/m3	Time Weighted Average (TWA):	as Ti	MX OEL
	20 mg/m3	Short Term Exposure Limit (STEL):	as Ti	MX OEL
Ethylene glycol	100 mg/m3	Ceiling Limit Value:	Aerosol.	ACGIH
	50 ppm 125 mg/m3	Ceiling Limit Value:		OSHA Z1A
	100 mg/m3	Ceiling Limit Value:	Aerosol.	MX OEL
Distillates (petroleum), hydrotreated light	200 mg/m3	Time Weighted Average (TWA):	Non-aerosol as total hydrocarbon vapor	ACGIH

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid	Evapouration rate	: Slower than Butyl Acetate
Appearance	: liquid	Specific Gravity	: Not determined
Colour	: RED	Bulk density	: Not applicable
Odour	: slight	Vapour pressure	: Not established
Melting point/range	: not applicable	Vapour density	: Heavier than air.
Boiling Point:	: Not established	pH	: Not determined
Water solubility	: completely miscible		

10. STABILITY AND REACTIVITY

Stability : The product is stable if stored and handled as prescribed.

Hazardous Polymerization : Will not occur.

Conditions to avoid : Extremes of temperature and direct sunlight. Keep from freezing.

Incompatible Materials : Acids, metal salts, and solvents

Hazardous decomposition products	:	Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.

11. TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview
This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
0-13-5	Miscellaneous Irritant	Irritant	Eyes, Skin.
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.
8002-74-2	Paraffin waxes and Hydrocarbon waxes	Systemic effects	Eyes, Skin, Respiratory system.
107-21-1	Ethylene glycol	Systemic effects	Eyes, Skin, Respiratory system, central nervous system (CNS).

LC50 / LD50
This product contains the following components which, in their pure form, have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
8002-74-2	Paraffin waxes and Hydrocarbon waxes	Oral LD50	> 2,000 mg/kg	rat
107-21-1	Ethylene glycol	Oral LD50 Dermal LD50 Dermal LD50	4,700 mg/kg 9530 ul/kg 9,530 mg/kg	rat rabbit rabbit

Carcinogenicity
This product contains the following components which, in their pure form, have the following carcinogenicity data:

CAS-No.	Chemical Name	OSHA	IARC	NTP
13463-67-7	Titanium dioxide	no	2B	no

IARC Carcinogen Classifications:
1 - The component is carcinogenic to humans.
2A - The component is probably carcinogenic to humans.
2B - The component is possibly carcinogenic to humans.

NTP Carcinogen Classifications:
1 - The component is known to be a human carcinogen.
2 - The component is reasonably anticipated to be a human carcinogen.

Additional Health Hazard Information:
Ethylene glycol 107-21-1 The metabolites may cause reproductive as well as developmental toxicity or birth defects.

12. ECOLOGICAL INFORMATION

Persistence and degradability	:	no data available
Environmental Toxicity	:	no data available
Bioaccumulation Potential	:	no data available
Additional advice	:	no data available

13. DISPOSAL CONSIDERATIONS

Product	:	Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.
Contaminated packaging	:	Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

14. TRANSPORT INFORMATION

U.S. DOT Classification	:	Refer to specific regulation.
ICAO/IATA	:	Refer to specific regulation.
IMO/IMDG (maritime)	:	Refer to specific regulation.

15. REGULATORY INFORMATION

US Regulations:

OSHA Status	:	Classified as hazardous based on components.
TSCA Status	:	All components of this product are listed on or exempt from the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

California Proposition 65	:	Not applicable

SARA Title III Section 302 Extremely Hazardous Substance

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

SARA Title III Section 313 Toxic Chemicals:

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

Chemical Name	CAS-No.	Weight percent
ETHYLENE GLYCOLETHYLENE GLYCOL	107-21-1	1.00 - 5.00

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

Chemical Name	CAS-No.	Weight percent	NPRI ID#
Isopropanol	67-63-0	0.10 - 1.00	
Ethylene glycol	107-21-1	1.00 - 5.00	

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No.
107-21-1
57-55-6

DSL : All of the components of this product are listed on the Canadian Inventories or are exempt. However, at least one component of this product is on the Canadian Non-Domestic Substances List (NDSL). Quantity use in Canada is restricted by regulations.

National Inventories:

Australia AICS : Not determined

China IECS : Not determined

Europe EINECS : Not determined

Japan ENCS : Not determined

Korea KECI : Not determined

Philippines PICCS : Not determined

16. OTHER INFORMATION

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.