

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 7/27/2022 Revision date: 7/27/2022 Supersedes: 10/10/2018

SECTION 1: Identification					
1.1. Identification					
Product form Product name CAS-No. Product code	Mixture Lid Seal LW2 Mixture 4455 Alumina-Silicate	e Wet Air Set Mo	rtar-Slurry		
1.2. Recommended use and restrictions on u					
	Refractory				
	Industrial use				
1.3. Supplier Resco Products, Inc. One Robinson Plaza, Suite 300 6600 Steubenville Pike Pittsburgh, PA, 15205 United States 412-494-4491 SDS@RescoProducts.com - WWW.RescoProducts.com 1.4. Emergency telephone number	<u>m</u>				
	EMERGENCY	<b>`</b>	,	Canada 1-800	-424-9300
	Outside USA &	Canada +1 703	741-5970		
SECTION 2: Hazard(s) identification					
2.1. Classification of the substance or mixtu	re				
GHS US classification Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2B Carcinogenicity Category 1A Full text of H statements : see section 16		H320 H350	Causes skir Causes eye May cause	e irritation	rying or heating, Inhalation)
2.2. GHS Label elements, including precaution	onary statemer	nts			
GHS US labeling Hazard pictograms (GHS US)					
	H350 - May cau	serious eye irrita use cancer (After	drying or he		
Precautionary statements (GHS US)	P280 - Wear ey P305+P351+P3 contact lenses, P332+P313 - If	e protection, pro	tective glove : Rinse cau asy to do. Co curs: Get me	es, protective c tiously with wat ontinue rinsing. edical advice/at	er for several minutes. Remove tention.
2.3. Other hazards which do not result in cla	ssification				
No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
SECTION 3: Composition/Information or	n ingredients				
3.1. Substances					
Not applicable					
3.2. Mixtures					
Name		Product i		%	GHS US classification
quartz		CAS-No.: '		10 - 20	Carc. 1A, H350
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55%, aq	Leous Solutions	CAS-NO.: 7	344-09-8	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2B, H320
Full text of hazard classes and H-statements : see sec	tion 16				

### Safety Data Sheet

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice
First-aid measures after inhalation	<ul><li>(show the label where possible).</li><li>Allow affected person to breathe fresh air. Allow the victim to rest.</li></ul>
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before
First-aid measures after eye contact	reuse. : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
First aid massures ofter ingestion	and easy to do. Continue rinsing.
First-aid measures after ingestion 4.2. Most important symptoms and effects	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Potential Adverse human health effects and	: Based on available data, the classification criteria are not met.
symptoms	
Symptoms/effects after inhalation	: After drying or heating. May cause cancer by inhalation. Danger of serious damage to health by
Sumptome/offects ofter skip contact	prolonged exposure through inhalation.
Symptoms/effects after skin contact Symptoms/effects after eye contact	: Causes skin irritation. : Causes serious eye irritation.
4.3. Immediate medical attention and spec	
No additional information available	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishir	
Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media 5.2. Specific hazards arising from the che	: No unsuitable extinguishing media known.
S.2. Specific hazards arising from the che Fire hazard	: Not flammable.
5.3. Special protective equipment and pre	
Firefighting instructions	<ul> <li>Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</li> </ul>
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measu	Ires
6.1. Personal precautions, protective equi	
6.1.1. For non-emergency personnel	
Emergency procedures	: If spilled, may cause the floor to be slippery.
6.1.2. For emergency responders Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Stop release.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify a	authorities if liquid enters sewers or public waters.
6.3. Methods and material for containmen	t and cleaning up
	: Plug the leak, cut off the supply.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect
C. A. Deference to ether sections	spillage.
6.4. Reference to other sections	
See Heading 8. Exposure controls and personal pr	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid contact with eyes. Avoid contact with skin.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, including	any incompatibilities
Storage conditions	: Store in original container. Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
SECTION 8: Exposure controls/perso	nal protection
8.1. Control parameters	
Lid Seal LW2 (Mixture)	
No additional information available	

### Safety Data Sheet

Appropriate engineering controls       : Emergency eye wash fountain with clean water. Dust on tear out. Provide adequate ventilation to minimize dust concentrations.         8.3. Individual protection measures/Personal protective equipment         Avoid all unnecessary exposure.         Hand protection:         Wear protective equipment:         Avoid all unnecessary exposure.         Eye protection:         Chemical gogdes or safety glasses         Skin and body protection:         Wear suitable protective clothing         Respiratory protection:         After air drying or heating. Dust on tear out. Wear appropriate mask         Other information:         Do not eat, drink or smoke during use.         SECTION 9: Physical and chemical properties         94.1 Information:         Color       : Slurry.         Color       <						
uptrz (14808-60-7)           USA - ACGIH - Occupational Exposure Limits           ACGIH OEL TWA         0.025 mgm? [SilcaCrystalline Quartz, USA; Time-weighted average exposure limit B h; TLV - Adopted Value, Respirable fraction)           USA - OSHA - Occupational Exposure Limits         Intervention of the second of the secon	sodium silicate, alkaline 1.6/2.6, 35%≤conc≤	55%, aqueous solutions (1344-09-8)				
USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA	No additional information available	No additional information available				
ACGIH OEL TWA       0.025 mg/m² (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV -         USA - OSHA - Occupational Exposure Limits       Image: Comparison of the comparison of	quartz (14808-60-7)					
Idea - Occupational Exposure Limits         USA - OSHA - Occupational Exposure Limits         USA - OSHA - Occupational Exposure Limits         Cosel name       Silica, crystalline quartz, respirable dust         OSHA PEL (TWA) [1]       0.05 mg/m² respirable dust         Remark (OSHA)       (3) See Table Z-3.         8.2. Appropriate engineering controls       : Emergency eye wash fourtain with clean water. Dust on tear out. Provide adequate ventilation to minimize dust concentrations.         8.3. Individual protection measures/Personal protective equipment:       Protective equipment:         Wat all unnecessary exposure.       Hand protection:         Wat protection:       Chemical gogles or safety glasses         Shi and body protection:       Chemical gogles or safety glasses         Shi and body protection:       Chemical gogles or safety glasses         Star and shot expose on team out. Wear appropriate mask       Chemical gogles or safety glasses         Star and body protection:       Star and body protection:         Vear and on team out. Wear appropriate mask       Chemical goal (Data and Chemical properties)         Star and body protection:       Star and and chemical properties         Star and on team out. Wear appropriate mask       Chemical goal (Data and Anda)         Other information:       Star and and chemical properties         Star and body protection:	USA - ACGIH - Occupational Exposure Limits					
Local name         Silica, crystalline quartz, respirable dust           OSHA PEL (TWA) [1]         0.05 mgm² respirable dust           Remark (OSHA)         (3) See Table Z-3.           82. Appropriate engineering controls         Immore due due stoconcentrations.           Appropriate engineering controls         Immore due due stoconcentrations.           8.3. Individual protection measures/Personal protective equipment         Resonal protective equipment:           Avoid all immessany exposue.         Immore due due stoconcentrations.           Personal protection:         Immore due stoconcentrations.           Chemical gogdes or safety glasses         Immore due stoconcentrations.           Skin and body protection:         Immore due stoconcentrations.           After air dring or heating. Dust on tear out. Wear appropriate mask.         Immore during use.           SECTION 9: Physical and chemical properties         Stirry.           Physical state         Improved im	ACGIH OEL TWA					
OSHA PEL (TWA) [1]     0.05 mg/m³ respirable dust       Remark (OSH4)     (3) See Table Z-3.       8.2. Appropriate engineering controls     Immediate engineering controls       8.3. Individual protection measures/Personal protective equipment       Personal protective equipment:       Avoid all unnecessary exposure.       Hand protection:       Wear protection:       Shi and body protection:       Shi and body protection:       Wear suitable protective equipment:       Avoid all unnecessary exposure.       Protection:       Chemical goggles or safety glasses       Shi and body protection:       Wear suitable protective conting       Respiratory protection:       Oan te at, drink or smoke during use.       SECTON 9: Physical and chemical properties       SUTON 9: Physical and chemical properties       Sector 9: Surgers       Odor     : Burry.       Odor     : Surgers       Solid and chemical properties       Physical state     : Liquid       Appearance     : Surgers       Odor     : Bu	USA - OSHA - Occupational Exposure Limits					
Remark (OSHA)       (3) See Table 2.3.         8.2. Appropriate engineering controls         Appropriate engineering controls         Appropriate engineering controls         8.3. Individual protection measures/Personal protective equipment         Personal protection         Read protection:         Wear protection:         Wear protection:         Wear suitable protection:         Wear suitable protection:         Wear suitable protection:         Respiratory protection:         After air drying or heating. Dust on tear out. Wear appropriate mask         Other air drying or heating.         Store at the suitable protection:         Store at the suitable protection:         Store at drive or smoke during use.         SECTON 9: Physical and chemical properties         Physical state       : Liquid         Appendict       : Suitry.         Color       : Light brown         Odor       : Byplicable         phile       : On data drive available         Chick interport       : Not applicable         Color       : Light brown         Color       : Byplicable         phile       : On data available         Freezing protecable       : Not applicable	Local name	Silica, crystalline quartz, respirable dust				
22. Appropriate engineering controls       : Emergency eye wash fountain with clean water. Dust on tear out. Provide adequate ventilation to minimize dust concentrations.         8.3. Individual protection measures/Personal protective equipment         Personal protective equipment:         Wear suitable protective clothing         Respiratory protection:         Wear suitable protective clothing         Respiratory protection:         Don teat, drink or snoke during use.         SECTION 9: Physical and chemical properties         94.1 Information:         Dodor       : Birty if thrown         Odor       : Barty if thrown </td <td>OSHA PEL (TWA) [1]</td> <td>0.05 mg/m<sup>3</sup> respirable dust</td>	OSHA PEL (TWA) [1]	0.05 mg/m <sup>3</sup> respirable dust				
Appropriate engineering controls       : Emergency eye wash fountain with clean water. Dust on tear out. Provide adequate ventilation to minimize dust concentrations.         8.3. Individual protection measures/Personal protective equipment         Avoid all unnecessary exposure.         Hand protection:         Wear protective equipment:         Avoid all unnecessary exposure.         Eye protection:         Chemical gogdes or safety glasses         Skin and body protection:         Wear suitable protective clothing         Respiratory protection:         After air drying or heating. Dust on tear out. Wear appropriate mask         Other information:         Do not eat, drink or smoke during use.         SECTION 9: Physical and chemical properties         94.1 Information:         Color       : Slurry.         Color       <	Remark (OSHA)	(3) See Table Z-3.				
S1. Individual protection measures/Personal protective equipment           Personal protective equipment:           Avoid all unnecessary exposure.           Hand protection:           Wear protective gloves.           Eye protection:           Chemical goggles or safety glasses           Shin and body protection:           Wear suitable protective clothing           Respiratory protection:           After air drying or heating. Dust on tear out. Wear appropriate mask           Other information:           Do not est, drink or smoke during use.           SECTION 9: Physical and chemical properties           Physical state         : Liquid           Appearance         : Sturry.           Color         : light frown           Color	8.2. Appropriate engineering controls					
Parsonal protective gloynent:         Avoid all unnecessary exposure.         Hand protection:         Wear protective gloves.         Eye protection:         Chemical goggles or safety glasses         Skin and body protection:         Wear suitable protective clothing         Respiratory protection:         After air drying or heating. Dust on tear out. Wear appropriate mask         Other information:         Do not eat, drink or smoke during use.         SECTION 9: Physical and chemical properties         Physical state       : Liquid         Appearance       : Surry.         Color       : earthy         Octor threshold       : Not applicable         PH       : > 10         Out supplicable       : Not applicable         PH       : > 10         Most available       : Not applicable         PH       : > 10         Most available       : Not applicable         PH       : > 10         Most available       : Not applicable         PH       : > 10         Most available       : Not applicable         PH       : > 10         PH information:       : Not applicable         Not applicable       : No		minimize dust concentrations.				
Avoid all unnecessary exposure. Hand protection: Hand protection:  Wear protective gloves. Eye protection: Chemical goggles or safety glasses Skin and body protection: Wear suitable protective clothing Respiratory protection: After air drying or heating. Dust on tear out. Wear appropriate mask Other information: Do not eat, drink or smoke during use. SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties Physical state		I protective equipment				
Wear protective gloves.         Eye protection:         Chemical goggles or safety glasses         Skin and body protection:         Wear suitable protective clothing         Respiratory protection:         After air dying or heating. Dust on tear out. Wear appropriate mask         Other information:         Do not est, drink or smoke during use.         SECTION 9: Physical and chemical properties         Physical state       : Liquid         Appearance       : Slurry.         Color       : light brown         Odor       : eartly         Odor       : eartly         Odor       : eartly         Odor       : a 32 °F         Boiling point       : Not applicable         Freezing point       : a 32 °F         Boiling point       : Not applicable         Critical pressure       : Not applicable         Critical pressure       : Not applicable         Fleat point       : Not applicable         Pay point       : Not applicable         Critical pressure at 50 °C       : Not applicable         Vapor pressure at 50 °C       : Not applicable         Pay point point       : Not applicable         Relative evaporation rate (ether=1)       : Not app	Personal protective equipment: Avoid all unnecessary exposure.					
Eye protection:         Chemical goggles or safety glasses         Skin and body protection:         Wear suitable protective clothing         Respiratory protection:         After air drying or heating. Dust on tear out. Wear appropriate mask         Other information:         Do not eat, drink or smoke during use.         SECTION 9: Physical and chemical properties         91. Information on basic physical and chemical properties         Physical state       : Liquid         Appearance       : Slurry.         Color       : light brown         Oder       : light brown         Odor       : earthy         Odor treshold       : Not applicable         PH       : = 30         Mething point       : No data available         Freezing point       : = 32 'F         Boiling point       : Not applicable         Critical pressure       : Not applicable         Critical pressure       : Not applicable         Flash point       : Not applicable         Relative evaporation rate (ether=1)       : Not applicable         Relative evaporation rate (ether=1)       : Not applicable         Relative evaporation rate (ethers)       : Not applicable         Relative evaporation rate (ethers)	Hand protection:					
Chemical goggles or safety glasses Skin and body protection: Wear suitable protective clothing Respiratory protection: After air drying or heating. Dust on tear out. Wear appropriate mask Other information: Do not eat, drink or smoke during use. SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties 9.2. Information on basic physical and chemical properties 9.3. Information on basic physical and chemical properties 9.4. Information on basic physical and achemical properties 9.5. Color  9.1. Information on basic physical and chemical properties 9.4. Information on basic physical and achemical properties 9.4. Information on basic physical and achemical properties 9.4. Information on basic physical and achemical properties 9.5. Color  9.1. Information on basic physical and achemical properties 9.4. Information on basic physical and achemical properties 9.5. Color  9.1. Information on basic physical and achemical properties 9.4. Information on basic physical and achemical properties 9.5. Color	Wear protective gloves.					
Skin and body protection:         Wear suitable protective clothing         Respiratory protection:         After air drying or heating. Dust on tear out. Wear appropriate mask         Other information:         Do not eat, drink or snoke during use.         SECTION 9: Physical and chemical properties         94.1 Information on basic physical and chemical properties         Physical state       : Liquid         Appearance       : Surry.         Color       : light brown         Odor       : earthy         Odor       : earthy         Odor       : earthy         Odor       : Not applicable         PH       : > 10         Melting point       : Not applicable         PH       : > 10         Melting point       : Not applicable         Critical resource       : Not applicable         Critical resource       : Not applicable         Critical resource       : Not applicable         Freezing point       : 32 °F         Booling point       : Not applicable         Critical resource       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable						
Wear suitable protective clothing           Respiratory protection:           After air drying or heating. Dust on tear out. Wear appropriate mask           Other information:           Do not eat, drink or smoke during use.           SECTION 9: Physical and chemical properties           9.1. Information on basic physical and chemical properties           Physical state         : Liquid           Appearance         : Slurry.           Color         : light brown           Oddr         : earthy           Odor         : earthy           Odor         : earthy           Odor         : a 23 °F           Boiling point         : Not applicable           Not applicable         Not applicable           Critical temperature         : Not applicable           Relative evaporation rate (butyl acetate=1)         : Not applicable           Flash point         : Not applicable           Relative evaporat	Chemical goggles or safety glasses					
After air drying or heating. Dust on tear out. Wear appropriate mask         Other information:         Do not eat, drink or smoke during use.         SECTION 9: Physical and chemical properties         Physical state         9.1. Information on basic physical and chemical properties         Physical state         9.1. Information on basic physical and chemical properties         Physical state         9.1. Information on basic physical and chemical properties         Physical state         9.1. Information on basic physical and chemical properties         Physical state         9.1. Information on basic physical and chemical properties         Physical state         9.1. Information on basic physical and chemical properties         Physical state         9.1. Information         Color         Color         Color         Color         Odor threshold         Not applicable         Freezing point         : # 32 °F         Bolling point         : Not applicable         Critical temperature         : Not applicable         Critical pressure         : Rative evaporation rate (butyl acetate=1)         : Not applicable         Planmability (solid						
After air drying or heating. Dust on tear out. Wear appropriate mask         Other information:         Do not eat, drink or smoke during use.         SECTION 9: Physical and chemical properties         9.1. Information on basic physical and chemical properties         Physical state       : Liquid         Appearance       : Slurry.         Color       : light brown         Odor       : earthy         Odor       : earthy         Odor       : solution         PH       : > 10         Metting point       : Not applicable         Not applicable       Not applicable         PH       : > 20         Metting point       : Not applicable         Critical pressure       : Not applicable         Critical pressure       : Not applicable         Critical pressure       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable         Vapor pressure       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable         Relative devaporation rate (ether=1)       : Not applicable <td>Wear suitable protective clothing</td> <td></td>	Wear suitable protective clothing					
Other information:       Do not eat, drink or smoke during use.         SECTION 9: Physical and chemical properties         9.1. Information on basic physical and chemical properties         Physical state       :         Appearance       :         Color       :         Color       :         Odor       :         Ight brown         Odor       :         Odor       :         Odor       :         PH       :         Odor       :         PH       :         PH       :         PH       :         Not applicable       Not applicable         Not applicable       Not applicable         Preezing point       :       Not applicable         Critical pressure       :       Not applicable         Critical temperature       :       Not applicable         Critical pressure       :       Not applicable         Relative evaporation rate (butyl acetate=1)       :       Not applicable         Relative evaporation rate (butyl acetate=1)       :       Not applicable         Relative evaporation rate (butyl acetate=1)       :       Not applicable         Relative evaporation rate	Respiratory protection:					
Do not eat, drink or smoke during use.  SECTION 9: Physical and chemical properties  9.1. Information on basic physical and chemical properties  Physical state Appearance SUrry. Color Color Solution Color	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	propriate mask				
91. Information on basic physical and chemical properties         Physical state       :       Liquid         Appearance       :       Slurry.         Color       :       light brown         Odor       :       earthy         Odor       :       wot applicable         Fleating point       :       Not applicable         Critical trepscaure       :       Not applicable         Critical pressure       :       Not applicable         Critical pressure       :       Not applicable         Relative evaporation rate (butyl acetate=1)       :       Not applicable         Relative evapor fasity at 20 °C       :       Not applicable         Relative de	Other information: Do not eat, drink or smoke during use.					
Physical state       : Liquid         Appearance       : Slurry.         Color       : light brown         Odor       : earthy         Odor threshold       : Not applicable         pH       :> 10         Melting point       : No data available         Freezing point       : * 0         Boiling point       : Not applicable         Critical temperature       : Not applicable         Critical temperature       : Not applicable         Flash point       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable         Relative evaporation rate (ether=1)       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable         Relative evapor density at 20 °C       : Not applicable         Relative density       : ≈ 1.5         Solubility       : ∞ 1.5         Solubility       : ∞ 1.5         Solubility       : No data available         Partition coefficient n-octanol/water (Log Pow)       : No data available         Auto-ignition temperature       : Not applicable         Decomposition temperature       : Not dapplicable	SECTION 9: Physical and chemical prop	perties				
Appearance: Slúry.Color: light brownOdor: earthyOdor threshold: Not applicable Not applicablepH: > 10Metting point: Not applicableFreezing point: Not applicableCritical temperature: Not applicableCritical temperature: Not applicableCritical pressure: Not applicableCritical pressure: Not applicableRelative evaporation rate (butyl acetate=1): Not applicableRelative evaporation rate (ether=1): Not applicableYapor pressure at 50 °C: Not applicableRelative density: = 1.5Solubility: Moderately soluble in water.Partition coefficient n-octanol/water (Log Pow): Not dapplicableAuto-ignition temperature: Not data availablePartition coefficient n-octanol/water (Log Pow): Not data availableViscosity, kinematic: Not ApplicableNot applicable: Not applicableRelative density: = 1.5Solubility: Not data availablePartition coefficient n-octanol/water (Log Pow): Not data availableViscosity, kinematic: Not ApplicableNot applicable: Not data availableViscosity, kinematic: Not ApplicableNot data available: Not applicableNot applicable: Not applicableNot applicable: Not applicableRelative density: = 1.5Solubility: Not data availableViscosity, kinematic: Not da		ical properties				
Color: light brownOdor: earthyOdor threshold: Not applicable Not applicablepH: > 10Melting point: No data availableFreezing point: < 32 °F						
Odor threshold: Not applicable Not applicablepH: > 10Metting point: No data availableFreezing point: ~ 32 °FBoiling point: Not applicableCritical temperature: Not applicableCritical ressure: Not applicableFlash point: Not applicableFlash point: Not applicableRelative evaporation rate (butyl acetate=1): Not applicableRelative evapor density at 20 °C: Not applicableRelative density: < 1.5	Color					
Not applicablepH: > 10Melting point: No data availableFreezing point: ≈ 32 °FBoiling point: Not applicableCritical temperature: Not applicableCritical ressure: Not applicableRelative evaporation rate (butyl acetate=1): Not applicableRelative evaporation rate (ether=1): Not applicableFlammability (solid, gas): Not applicableVapor pressure: Not applicableRelative vapor density at 20 °C: Not applicableRelative density: ≈ 1.5Solubility: Moderately soluble in water.Partition coefficient n-octanol/water (Log Pow): No data availableAuto-ignition temperature: Not applicableAuto-ignition temperature: Not applicableVapor pressure: No data availableRelative density: < 1.5	Odor Odor threshold					
Melting point: No data availableFreezing point: ≈ 32 °FBoiling point: Not applicableCritical temperature: Not applicableCritical pressure: Not applicableFlash point: Not applicableRelative evaporation rate (butyl acetate=1): Not applicableRelative evaporation rate (ether=1): Not applicableFlammability (solid, gas): Not applicableVapor pressure: Not applicableVapor pressure at 50 °C: Not applicableRelative density: ≈ 1.5Solubility: Modata availablePartition coefficient n-octanol/water (Log Pow): No data availableAuto-ignition temperature: Not applicableVoicosity, kinematic: Not ApplicableViscosity, kinematic: Not ApplicableViscosity, kinematic: Not Applicable						
Freezing point       : ≈ 32 °F         Boiling point       : Not applicable         Critical temperature       : Not applicable         Critical pressure       : Not applicable         Flash point       : Not applicable         Relative evaporation rate (butyl acetate=1)       : Not applicable         Relative evaporation rate (ether=1)       : Not applicable         Flammability (solid, gas)       : Not applicable         Vapor pressure       : Not applicable         Vapor pressure 450 °C       : Not applicable         Relative evapor density at 20 °C       : No data available         Relative density       : ≈ 1.5         Solubility       : Moderately soluble in water.         Partition coefficient n-octanol/water (Log Pow)       : No data available         Auto-ignition temperature       : Not applicable         Uscosity, kinematic       : Not Applicable	pH Molting point					
Boiling point:Not applicableCritical temperature:Not applicableCritical pressure:Not applicableFlash point:Not applicableRelative evaporation rate (butyl acetate=1):Not applicableRelative evaporation rate (ether=1):Not applicableFlammability (solid, gas):Non flammable.Vapor pressure:Not applicableVapor pressure at 50 °C:Not applicableRelative density:* 1.5Solubility:Not at availablePartition coefficient n-octanol/water (Log Pow):Not applicableAuto-ignition temperature:Not applicableDecomposition temperature:Not applicableViscosity, kinematic:Not applicable	Freezing point					
Critical pressure: Not applicableFlash point: Not applicableRelative evaporation rate (butyl acetate=1): Not applicableRelative evaporation rate (ether=1): Not applicableFlammability (solid, gas): Not applicableFlammability (solid, gas): Not applicableVapor pressure: Not applicableVapor pressure at 50 °C: Not applicableRelative vapor density at 20 °C: Not applicableRelative density: ≈ 1.5Solubility: Moderately soluble in water.Partition coefficient n-octanol/water (Log Pow): Not applicableAuto-ignition temperature: Not applicableDecomposition temperature: Not applicableViscosity, kinematic: Not Applicable	Boiling point					
Flash point: Not applicableRelative evaporation rate (butyl acetate=1): Not applicableRelative evaporation rate (ether=1): Not applicableFlammability (solid, gas): Non flammable.Vapor pressure: Not applicableVapor pressure at 50 °C: Not applicableRelative vapor density at 20 °C: No data availableRelative density: ≈ 1.5Solubility: Moderately soluble in water.Partition coefficient n-octanol/water (Log Pow): Not applicableAuto-ignition temperature: Not applicableDecomposition temperature: No data availableViscosity, kinematic: Not Applicable						
Relative evaporation rate (butyl acetate=1)       : Not applicable         Relative evaporation rate (ether=1)       : Not applicable         Flammability (solid, gas)       : Not applicable         Vapor pressure       : Not applicable         Vapor pressure at 50 °C       : Not applicable         Relative vapor density at 20 °C       : Not applicable         Relative density       : ≈ 1.5         Solubility       : Moderately soluble in water.         Partition coefficient n-octanol/water (Log Pow)       : Not applicable         Auto-ignition temperature       : Not applicable         Decomposition temperature       : No data available         Viscosity, kinematic       : Not Applicable						
Flammability (solid, gas)       : Non flammable.         Vapor pressure       : Not applicable         Vapor pressure at 50 °C       : Not applicable         Relative vapor density at 20 °C       : No data available         Relative density       : ≈ 1.5         Solubility       : Moderately soluble in water.         Partition coefficient n-octanol/water (Log Pow)       : Not applicable         Auto-ignition temperature       : Not applicable         Decomposition temperature       : No data available         Viscosity, kinematic       : Not Applicable	elative evaporation rate (butyl acetate=1) : Not applicable					
Vapor pressure       : Not applicable         Vapor pressure at 50 °C       : Not applicable         Relative vapor density at 20 °C       : No data available         Relative density       : ≈ 1.5         Solubility       : Moderately soluble in water.         Partition coefficient n-octanol/water (Log Pow)       : No data available         Auto-ignition temperature       : Not applicable         Decomposition temperature       : No data available         Viscosity, kinematic       : Not Applicable						
Relative vapor density at 20 °C       : No data available         Relative density       : ≈ 1.5         Solubility       : Moderately soluble in water.         Partition coefficient n-octanol/water (Log Pow)       : No data available         Auto-ignition temperature       : Not applicable         Decomposition temperature       : No data available         Viscosity, kinematic       : Not Applicable	apor pressure : Not applicable					
Relative density       : ≈ 1.5         Solubility       : Moderately soluble in water.         Partition coefficient n-octanol/water (Log Pow)       : No data available         Auto-ignition temperature       : Not applicable         Decomposition temperature       : No data available         Viscosity, kinematic       : Not Applicable						
Solubility       : Moderately soluble in water.         Partition coefficient n-octanol/water (Log Pow)       : No data available         Auto-ignition temperature       : Not applicable         Decomposition temperature       : No data available         Viscosity, kinematic       : Not Applicable						
Auto-ignition temperature       : Not applicable         Decomposition temperature       : No data available         Viscosity, kinematic       : Not Applicable	Solubility	: Moderately soluble in water.				
Decomposition temperature : No data available Viscosity, kinematic : Not Applicable	, <u> </u>					
	Decomposition temperature					
	Viscosity, kinematic Viscosity, dynamic					

### Safety Data Sheet

Explosion limits	: Not applicable
Explosive properties Oxidizing properties	Not applicable : No data available : No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
Air Setting.	
10.2. Chemical stability	
Not established.	
10.3. Possibility of hazardous reactions	
Not established.	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition products	
Under normal conditions of storage and use, hazardou	us decomposition products should not be produced.
SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
	: Not classified
	: Not classified : Not classified
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤	
LD50 oral rat	> 2000 mg/kg (Rat, Oral)
Skin corrosion/irritation	: Causes skin irritation. pH: > 10
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤	55%, aqueous solutions (1344-09-8)
рН	11 – 13
quartz (14808-60-7)	
рН	6 - 7
Serious eye damage/irritation	: Causes eye irritation.
	pH: > 10
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤	55%, aqueous solutions (1344-09-8)
рН	11 – 13
quartz (14808-60-7)	
рН	6 – 7
	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer (After drying or heating, Inhalation).
quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans
, ,	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure Aspiration hazard	: Not classified : Not classified
Viscosity, kinematic	: Not Applicable
Potential Adverse human health effects and	: Based on available data, the classification criteria are not met.
symptoms	After drying or beating. May source concer by inhelation. Denses of earliest denses to be all here
Symptoms/effects after inhalation	: After drying or heating. May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation.

### Safety Data Sheet

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Symptoms/effects after skin contact : Symptoms/effects after eye contact :	Causes skin irritation. Causes serious eye irritation.		
SECTION 12: Ecological information			
12.1. Toxicity			
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55%, aqueous solutions (1344-09-8)			
LC50 - Fish [1]	210 mg/l (96 h, Brachydanio rerio, Pure substance)		
EC50 - Crustacea [1]	216 mg/l (96 h, Daphnia magna, Pure substance)		
12.2. Persistence and degradability			
Lid Seal LW2 (Mixture)			
Persistence and degradability	Not established.		
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)		
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		
BOD (% of ThOD)	Not applicable		
quartz (14808-60-7)			
Persistence and degradability	Not applicable.		
Biochemical oxygen demand (BOD)	Not applicable		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		
12.3. Bioaccumulative potential			
Lid Seal LW2 (Mixture)			
Bioaccumulative potential	Not established.		
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)		
Bioaccumulative potential	No bioaccumulation data available.		
quartz (14808-60-7)			
Bioaccumulative potential	No data available.		
12.4. Mobility in soil			
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)		
Ecology - soil	No (test) data on mobility of the component(s) available.		
12.5. Other adverse effects			
5 5	None known Avoid release to the environment.		
SECTION 13: Disposal considerations			
13.1. Disposal methods			
Product/Packaging disposal recommendations :	Dispose in a safe manner in accordance with local/national regulations.		
	Avoid release to the environment.		
SECTION 14: Transport information			
Department of Transportation (DOT) Not regulated Transportation of Dangerous Goods			
Not regulated			
Transport by sea Not regulated			

#### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### Air transport

#### Not regulated

#### **SECTION 15: Regulatory information**

#### **15.1. US Federal regulations**

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations				
CANADA No additional information available EU-Regulations No additional information available National regulations				
quartz (14808-60-7)				
Listed on IARC (International Agency for Research on Cancer)				
15.3. US State regulations				
Lid Seal LW2 (Mixture)				
U.S California - Proposition 65 - Other information	This product contains crystalline silica, a chemical known to the state of California to cause cancer. For more information go to WWW.P65Warnings.ca.gov			

quartz (14808-60-7)					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		

Component		State or local regulations		
Quartz (14808-60-7)         U.S New Jersey - Right to Know Hazardous Substance List		U.S New Jersey - Right to Know Hazardous Substance List		
SECTION 16: Other information				
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations				
Revision date				
Other information :		Report language name. English. In the event of any conflict between English and other language		
	versions, the English version shall prevail.			
Full text of H-phrases				
H315	Causes skin irritation			
L1220	Courses and irritation			

H320	Causes eye irritation
H350	May cause cancer

Safety Data Sheet (SDS), USA

This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein, however, Resco Products, Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.