

Safety Data Sheet

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1. IDENTIFICATION

PRODUCT IDENTIFIER

PRODUCT NAME BESHET SHINE 35

OTHER MEANS OF IDENTIFICATION

Product Code

SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS Beshet Supply
3600 West Jarvis Avenue
Skokie, IL 60076

EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (847) 679-2600
COMPANY FAX NUMBER
24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)
NORTH AMERICA 1-800-633-8253
INTERNATIONAL PERS 1-801-629-0667

2. HAZARDS IDENTIFICATION

CLASSIFICATION

Acute toxicity - Oral Category 5
Acute toxicity - Dermal Not classified
Skin corrosion/irritation Category 3

SIGNAL WORD Warning

HAZARD STATEMENTS

HAZARD STATEMENTS 1. May be harmful if swallowed
2. Causes mild skin irritation
3. Harmful to aquatic life with long lasting effects

APPEARANCE Opaque

PHYSICAL STATE Liquid

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 release to the environment

RESPONSE Immediately call poison center or doctor/ physician.

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IF SWALLOWED	Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
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 ON SKIN/HAIR	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a poison center or doctor/physician if you feel unwell.
IF EXPOSED/CONCERNED	Get medical advice/ attention.
STORAGE	Store locked-up. Keep away from children.
DISPOSAL	Dispose of contents/container to an approved waste disposal plant.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)	N/A
OTHER INFORMATION	N/A.
UNKNOWN ACUTE TOXICITY	0.309465% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Styrene Acrylic CoPolymer	Proprietary	3-10
Tributoxyethyl Phosphate	78-51-3	1-2
2-(2-ethoxyethoxy)ethanol	111-90-0	1-2
[2-(2-Methoxymethylethoxy) methylethoxy]-propanol	25498-49-1	1-2
Zinc Ammonium Chloride	38714-47-5	1-2
2-(2-methoxypropoxy)propanol	34590-94-8	1-2

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE	Provide this SDS to medical personnel for treatment.
EYE CONTACT	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

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SKIN CONTACT	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
INHALATION	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
INGESTION	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.

POTENTIAL ACUTE HEALTH EFFECTS

Most important symptoms and effects, both acute and delayed

SYMPTOMS Any additional important symptoms and effects are described in Section 11: Toxicology Information.

NOTES TO PHYSICIAN Treat symptomatically

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 CHEMICAL Not determined

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

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

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS Use personal protective equipment as required.
ENVIRONMENTAL PRECAUTIONS See Section 12 for additional Ecological Information.

METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

CONTAMINATION Prevent further leakage or spillage is safe to do so
CLEAN-UP Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapor/spray. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

STORAGE CONDITIONS

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

INCOMPATIBLE MATERIALS

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-(2-methoxypropoxy) propanol 34590-94-8	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m3 (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m3 (vacated) S* S*	IDLH: 10 mg/m3 Ceiling: 2 mg/m3
Zinc oxide 1314-13-2	STEL: 10 mg/m3 respirable fraction TWA: 2 mg/m3 respirable fraction	TWA: 5 mg/m3 fume TWA: 15 mg/m3 total dust TWA: 5 mg/m3 respirable fraction (vacated) TWA: 5 mg/m3 fume (vacated) TWA: 10 mg/m3 total dust (vacated) TWA: 5 mg/m3 respirable fraction (vacated) STEL: 10 mg/m3 fume	IDLH: 500 mg/m3 Ceiling: 15 mg/m3 dust TWA: 5 mg/m3 dust and fume STEL: 10 mg/m3 fume

ENGINEERING CONTROLS:

Showers, Eyewash stations & Ventilation systems.

OTHER INFORMATION:

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

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INDIVIDUAL PROTECTION MEASURES

EYE/FACE PROTECTION	Refer to 29 CFR 1910.133 for eye and face protection regulations.
SKIN/BODY PROTECTION	Refer to 29 CFR 1910.138 for appropriate skin and body protection.
RESPIRATORY PROTECTION	Refer to 29 CFR 1910.134 for respiratory protection requirements.
GENERAL HYGIENE	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPERANCE	Opaque
COLOR	White
ODOR	Slight ammonia
ODOR THRESHOLD	Not determined
pH	8.5 – 9.5
MELTING POINT/FREEZING POINT	Not determined
BOILING POINT/BOILING RANGE	>= 212 ° F (at 760 mm Hg)
FLASH POINT	>200 Above 200°F
EVAPORATION RATE	Not determined
FLAMMABILITY (SOLID, GAS)	Not determined
UPPER FLAMMABILITY LIMITS	Not determined
LOWER FLAMMABILITY LIMITS	Not determined
VAPOR PRESSURE	Not determined
SPECIFIC GRAVITY	1.055
RELATIVE DENSITY	Not determined
WATER SOLUBILITY	Not determined
PARTITION COEFFICIENT	Not determined
N-OCTANOL/ WATER	Not determined
AUTO-IGNITION TEMPERATURE	Not determined
DECOMPOSITION TEMPERATURE	Not determined
VISCOSITY	<100 cP @ 25°C 8.80
DENSITY lbs/gal	8.80
VOC CONTENT (%)	7.85

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	Keep out of reach of children. Extremes of temperature and direct sunlight.
INCOMPATIBLE MATERIALS	None known based on information supplied.
HAZARDOUS DECOMPOSITION PRODUCTS	None known based on information supplied.

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11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

EYE CONTACT	Avoid contact with eyes
SKIN CONTACT	Avoid contact with skin.
INHALATION	Avoid breathing vapors or mists.
INGESTION	May be harmful if swallowed.

COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Polyethylene Emulsion	> 10000 mg/kg (Rat)	-	-
Polypropylene Emulsion	> 10000 mg/kg (Rat)	-	-
2-(2-ethoxyethoxy) ethanol 111-90-0	= 1920 mg/kg (Rat)	= 4200 µL/kg (Rabbit) = 6 mL/kg (Rat)	> 5240 mg/m3 (Rat) 4 h
2-(2-methoxypropoxy) propanol 34590-94-8	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	-

SYMPTOMS Please see section 4 of this SDS for symptoms.

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.
Reproductive toxicity	No Information available.
STOT - single exposure	No Information available.
STOT - repeated exposure	No Information available.
Target organ effects	Central nervous system, EYES, Respiratory system.
Aspiration hazard	No Information available.

NUMERICAL MEASURES OF TOXICITY-PRODUCT 0.309465% of the mixture consists of ingredient(s) of unknown toxicity

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12. ECOLOGICAL INFORMATION

ECOTOXICITY

39.47245% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	TOXIC TO MICROORGANISMS	CRUSTACEA
Tributoxyethyl Phosphate 78-51-3	-	10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through	-	-
2-(2-ethoxyethoxy) ethanol 111-90-0	-	10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through	-	3940 - 4670: 48 h Daphnia magna mg/L EC50
[2-(2-Methoxymethylethoxy) methylethoxy] -propanol 25498-49-1	-	11619: 96 h Pimephales promelas mg/L LC50 static	-	1919: 48 h Daphnia magna mg/L LC50
Methyl Chloro Isothiazolinone 26172-55-4	0.11 - 0.16: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.03 - 0.13: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.31: 120 h Anabaena flos-aquae mg/L EC50	1.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	-	4.71: 48 h Daphnia magna mg/L EC50 0.12 - 0.3: 48 h Daphnia magna mg/L EC50 Flow through 0.71 - 0.99: 48 h Daphnia magna mg/L EC50 Static

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Magnesium Chloride 7786-30-3	2200: 72 h		
	Desmodesmus		
	subspicatus mg/L	970 - 3880: 96 h	140: 48 h
	EC50EC50 static	Pimephales	Daphnia
	0.03 - 0.13: 96 h	promelas mg/L	magna mg/L
	Pseudokirchneriella	LC50 static 4210: 96	EC50 Static
	subcapitata	h Gambusia affinis	1400: 24 h
	mg/L EC50 static	mg/L LC50 static	Daphnia
	0.31: 120 h		magna mg/L
	Anabaena flos-aquae		EC50
	mg/L EC50		

PERSISTENCE AND DEGRADABILITY Not determined
BIOACCUMULATION Not determined

Chemical Name	Partition coefficient
Tributoxyethyl Phosphate 78-51-3	4.78
2-(2-ethoxyethoxy)ethanol 111-90-0	-0.8
2-(2-methoxypropoxy)propanol 34590-94-8	-0.064

OTHER ADVERSE EFFECTS Not determined

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

WASTE DISPOSAL	Disposal should be in accordance with applicable regional, national and local laws and regulations.
CONTAMINATED PACKAGING	Disposal should be in accordance with applicable regional, national and local laws and regulations.

CHEMICAL NAME CALIFORNIA HAZARDOUS WASTE STATUS

Zinc Ammonium Chloride Toxic
38714-47-5

14. TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

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15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

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

U.S. FEDERAL REGULATIONS

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SARA 313/312 HAZARD CATEGORIES

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	CAS No	Weight-%	SARA 313 - Threshold Values %
2-(2-ethoxyethoxy)ethanol	111-90-0	-	1.0
[2-(2-Methoxymethylethoxy) methylethoxy]-propanol	25498-49-1	-	1.0
Zinc Ammonium Chloride	38714-47-5	-	1.0
2-(2-methoxypropoxy)propanol	34590-94-8	-	1.0

CLEAN WATER ACT (CWA)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc Ammonium Chloride 38714-47-5	-	X	-	-

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U.S. STATE REGULATIONS

U.S. STATE RIGHT-TO-KNOW REGULATIONS

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
2-(2-ethoxyethoxy) ethanol 111-90-0	X	-	X
[2-(2-Methoxymethylethoxy)methylethoxy] -propanol 25498-49-1	X	-	X
Zinc Ammonium Chloride 38714-47-5	X	-	X
2-(2-methoxypropoxy)propano 34590-94-8	X	X	X
Magnesium Nitrate 10377-60-3	X	X	X

16. OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	1	0	0	Not determined
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	1	0	0	B

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge 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.

END OF SAFETY DATA SHEET