



Safety Data Sheet

5-230 MULTI-ALU FILLER

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

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1.2. Relevant identified uses of the substance or mixture and uses advised against

Car Refinishing Paint.

1.3. Details of the supplier of the safety data sheet

COMPANY IDENTITY:	Logicar Inc.
COMPANY ADDRESS:	1361 NW 155 th DR
COMPANY CITY:	Miami, FL 33169
COMPANY PHONE:	305-685-8044

1.4. Emergency telephone number

CHEMTREC: +1(703)527-3887

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Acute Tox. 4
Eye Irrit. 2
Skin Irrit. 2

2.2. Label elements



Signal word: WARNING!

H-phrases:

H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H332 – Harmful if inhaled.

P-phrases:

P101 – If medical advice is needed, have product container or label at hand
P102 – Keep out of reach of children
P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 – Use only outdoors or in a well-ventilated area.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.



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P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

Contain: styrene
EU limit value for this product (IIB(b)) 250 g/l (2010).
VOC: 65 g/l
2004/42/WE IIB(b) (250)65

Section 3: Composition/information on ingredients

3.1. Mixtures

Dangerous components:

Description	styrene	talc	barium sulphate
Concentration (%)	<20	<40	<15
CAS No.	100-42-5	14807-96-6	7727-43-7
EU No.	202-851-5	238-877-9	231-784-4
Registration No.	01-2119457861-32-xxxx	-	-
PBT/vPvB	no	no	no

Section 4: First aid measures

4.1. Description of first aid measures

General Information	:	Immediately remove any clothing soiled by the product.
Inhalation	:	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist
Skin	:	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
Eye	:	Rinse opened eye for several minutes under running water. Then consult a doctor.
Swallowing	:	Rinse out mouth and then drink a plenty of water. Do not induce vomiting. Call for medical help immediately.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Agents : Foam – alcohol-resistant, gas – carbon dioxide, powder
Unsuitable Extinguishing Agents: Water with full jet.



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5.2. Special hazards arising from the substance or mixture

Special hazards caused by the substance, its products of combustion or resulting gases. Carbon monoxide and carbon dioxide. Inhalation of hazardous decomposition (pyrolysis) products can cause serious health problems.

Protective Equipment : Wear self-contained respiratory protective device.
Additional Information : Cool endangered receptacles with water spray.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources and ensure adequate ventilation. Use personal protective equipment. Follow the instructions contained in chapters 7 and 8 of this safety data sheet.

6.2. Environmental precautions

Avoid the contamination of soil and leak to surface and groundwater. Avoid the intrusion into drains. Do not allow to enter sewers/surface or ground water.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Dispose of the material collected according to regulations. Inform respective authorities in case of seepage into water course or sewage system.

Additional Information : After disposal wash contaminated area with plenty of water. Do not use solvents.

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautionary Measures: Avoid contact with eyes and skin. Use personally protective equipment in accordance with chapters 8 of this safety data sheet

Environmental Protection

Precautionary Measures: Avoid intrusion into the ecosystem. Store only in the original receptacle, Provide solvent resistant, sealed floor. Observe instructions on the product label.

7.2. Conditions for safe storage, including any incompatibilities

Store away from foodstuffs, Store away from oxidizing agents, Store in cool (+5° - +25°C), dry conditions in well sealed receptacles. Protect from heat, direct sunlight and freeze. Store receptacle in a well ventilated area.



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Section 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace

Chemical name	Concentration [%]	CAS No.	Maximum permissive concentration in air [mg/m ³]	
			PEL	NPK-P
styrene	<20%	100-42-5	100	400

Dust name	Concentration [%]	CAS No.	Maximum permissive concentration in air [mg/m ³]	
			PEL _r	PEL _c
talc (fibrogenic effect)	<40%	14807-96-6	2	10
barite (nonspecific effect)	<15%	7727-43-7	-	10
limestone (nonspecific effect)	<10%	1317-65-3	-	10
aluminium (nonspecific effect)	<5%	7429-90-5	-	10
polyester resins dust (irritation)	<50%	-	-	5

8.2. Exposure controls

Engineering measures :	Regularly measure the concentration in the air. Reduction of concentration can be achieved by local exhaust ventilation or effective overall.
Respiratory system :	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter A/P2.
Hands :	Protective gloves. To avoid skin problems reduce the wearing of gloves to the required minimum. Check the permeability prior to each renewed use of the glove. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration time, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eyes :	Tightly sealed goggles.
Skin :	Protective work clothing.
Environmental Exposure Controls :	Observe the usual measures to protect the environment, see section 6. Do not allow to enter drains or watercourses

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form at 20°C :	Thick pasty mass
Colour :	Metallic



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Odour	:	Characteristic, like styrene
pH value (concentrate) at 20°C	:	Undetermined
Melting point / Melting range (°C)	:	Undetermined
Boiling point / Boiling range (°C)	:	Undetermined
Ignition temperature (°C)	:	ca 200
Flash point (°C)	:	Undetermined
Danger of explosion	upper limit (% vol.):	5,2
	low limit (% vol.):	1,1
Oxidizing properties	:	Undetermined
Vapour pressure at 20°C (hPa)	:	5
Solubility at 20°C	In water:	Partially Soluble
	In fats:	Soluble in non-polar solvents
Partition coefficient n-octanol / water	:	Undetermined
Density (g.cm-3)	:	1,75
Total organic carbon (kg/kg)	:	0,12
Non-volatile substances volume (% vol.)	:	73.14

Section 10: Stability and reactivity

10.1. Reactivity

Strong acids, oxidizers, peroxides, aluminium chloride

10.4. Conditions to avoid

Sources of heat and ignition - radiant heat, open flames, electrical discharges

10.6. Hazardous decomposition products

During the normal mode of application do not arise. At high temperatures, fire, or when it reacts with other chemicals may arise oxides of carbon, polyaromates and other dangerous chemicals.

Section 11: Toxicological information

11.1. Information on toxicological effects

Known health effects caused by exposure to the substance/preparation:

Skin irritation	: irritating.
Eye irritation	: irritating.
Experience of human exposure	: inhalation of solvent vapours over the value of NPK-P may result in the emergence of acute inhalation poisoning, depending on the level of concentration and exposure time. There may be irritation of mucous membranes and respiratory tract, as well as affecting the central nervous system. Symptoms: headache, dizziness, fatigue, malaise, general weakness, narcotic effect, in exceptional cases, unconsciousness. Prolonged or repeated contact with the product leads to scouring and drying skin. The product can also absorb by skin. Contact with eyes may cause irritation and reversible



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damage. When using the directions and principles of personal hygiene was not observed adverse effects on humans.

Acute toxicity of substance/preparation: For the product there is no toxicological data available. Given the characteristics of each component is the product acutely non-toxic.

Symptoms / routes of exposure

Chronic toxicity : Not defined for the preparation, for styrene RFC (man, inhalation) 1 mg/m³ (0.23 ppm).
Sensitization: not defined, for the product is not likely.
Carcinogenicity : Not defined for the product, contains a substance with uncertain carcinogenic properties.
Mutagenicity : Not defined for the product.
Toxicity for reproduction : Not defined for the product, components are non-toxic to reproduction.
Tests on animals : The product is not tested on animals. It was evaluated by the conventional calculation method.

Acute toxicity of components:

Styrene (CAS: 100-42-5, ES: 202-851-5)

LD50 oral 5000 mg/kg

LD50 dermal -

LD50 inhal. -

LC50 inhal. 2770 ppm/4 hours

Section 12: Ecological information

12.1. Toxicity

Eco-toxicity:

Acute toxicity of the products to aquatic organisms : Undetermined

Acute toxicity of the substances to aquatic organisms : Styrene (CAS: 100-42-5, ES: 202-851-5)

Toxicity to fish

LC50 (Lepomis macrochirus) 25 mg/l

LC50 (Pimephales promelas) 46,4 mg/l

LC50 (Carassius auratus) 64,74 mg/l

LC50 (Lebistes reticulatus) 74,83 mg/l

Toxicity to other aquatic animals

LC50 (Daphnia magna) 23 mg/l/ 48 hours

12.2. Persistence and degradability

The product is biodegradable, the degree of degradation is 42% (styrene).



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12.3. Bioaccumulative potential

BCF (Carassius auratus) : - 13,5 (low potential):
CHSK : undetermined
BSK5 : undetermined

12.4. Mobility in soil

It may get into the environment from sewage water and solvent emission.

12.6. Other adverse effects

Styrene is an active generator of photochemical smog.

Section 13: Disposal considerations

13.1. Waste treatment methods

Danger during the handling of surplus or waste (due to the intended use)

Contamination of the environment	:Follow the detailed regulations of waste disposal.
Suitable disposing methods	:Suitable methods of disposing of the substance/the preparation and any contaminated packaging. Follow the rules of hazardous waste disposal in secured landfill for the waste or incineration facilities.
Legislation according to waste disposal	:Act No. 185/2001 of waste, as amended, and Act No. 188/2004 supplementing Act No. 185/2001 (Czech Republic)
Waste code	: 080409 (unused residues)
Waste name	:Waste adhesives and sealants containing organic solvents or other dangerous substances
Category	:N
Waste subgroup	:Wastes from production, processing, distribution and use of adhesives and sealants (including waterproofing products)
Waste group	:Wastes from production, processing, distribution and use of coating materials (paints, varnishes and enamels), adhesives, sealants and printing inks
Waste code of packaging	:150110 (soiled packaging)
Waste name	:Packaging containing residues of hazardous substances or contaminated by them
Category	:N
Waste subgroup	:Packaging (including separately collected municipal packaging waste)
Waste group	:Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
Other codes of possible waste	:150104 (clean metal packaging) 150102 (clean plastics packaging) 080411 (solvent used to cleaning of packaging)



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Section 14: Transport information

14.1. UN number

UN 3269

14.2. UN proper shipping name

POLYESTER RESIN KIT

14.3. Transport hazard class(es)

CLASS 3

14.4. Packing group

PG III

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- * REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
- * COMMISSION REGULATION (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- * DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations
- * REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- * COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)



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Section 16: Other information

Other information

Information regarding the revision of the safety data sheet:
Adjustment of the safety data sheet according to Regulation (EU) No. 453/2010.

Relevant H-Phrases (number and full text) of Section 2 and 3:

H226 – Flammable liquid and vapour.

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

Abbreviations of the hazard categories:

Flam. Liq. – Flammable liquid; Acute Tox. – Acute toxicity; Eye Irrit. – Eye irritation; Skin Irrit. – Skin irritation

Training instructions: -

Recommended restrictions on use (non-statutory recommendations by supplier): -

Disclaimer:

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